Risk assessment pursuant to sections 5 and 6 of the German Health and Safety at Work Act (incl. measures and documentation)		ty at Work Act	L				Legend		Document: Index no.:		QM V 045-KMR G			
		Life phases	+			Risk assessment		Date of last revision:						
			AS: aftersales service	ce PB: probabilit	y		f = high risk, urgent need for action; action must be taken immediately.		Drawn up and revised annually by the industrial saf	ety expert:	Michael Kreppold / Harald Görres		Or	
category/persons: erection supervisors and erectors (leased staff and employees)			ER: erection	SV: severity			M = medium risk; devise an action plan and implement measures promptly.		Released by the head of department:		Wolfgang Braun		lr	
erection/overhaul of components for combustion and dry digestion systems			OH: overhaul	1		-	. = low risk; action plan recommended.		Released by the board of directors:		Hans Peter Holl		Ir	1: 01/04/
Potential hazards associated with tasks performed and description thereof	Ordinances/ regulations/	Hazard location/workplace	Life phases	According	o MARTIN risk n	matrix	Measures that can be taken to eliminate the hazard or reduce its probability and severity	Responsible	To be carried out	Measures taken	Carried out		f measures t	Re
	information		K M OH	_			,			(mark with cross))	PB S	v assessmen V Total	t i Risk
anical hazards					1 1					1	!			1
ded machine parts in motion														1
Crushing hazard, e.g. when lifting into place and positioning the individual components	BetrSichV	Entire working area	x x	D	B DB	Н	Keep at a safe distance from sources of danger	Employee	Before work begins	х	When work begins	E (EC EC	L
Shearing hazard, e.g. when lifting into place and positioning individual components Bumping hazard due to protruding and poorly lit parts (scaffolding bars, etc.)	DIN EN ISO 13857 DGUV Vorschrift 1	Entire working area Entire working area	X X	D	B DB B DB	H H	Secure/mark hazard zones adequately Ensure that unavoidable danger zones are easy to recognize, e.g. by marking them and by providing adequate lighting and using appropriate	Erection supervisor	Before work begins	Х	When work begins	E (EC EC	L
Catching points on drilling machines/hydraulic pre-assembly devices for piping Aechanical/electrical hazards when working with angle grinders/saws		Entire working area Entire working area	X X X X	E 1	D ED	L v	varning/safety signs and safety colours Provide adequate lighting	Erection supervisor Erection supervisor	Before work begins Before work begins	x x	When work begins When work begins	E (EC CC	L
							Work must be coordinated (between crane operator and erection supervisor) BEFORE combustion system components are lifted into place	Crane operator/erection supervisor	Before work on site begins	х	When work on site begins			
							Wear suitable personal protective equipment (hard hat, tight fitting clothing, etc.)	Employee Erection supervisor	Before work begins Before work begins	X X	When work begins When work begins			
		:					All parts of the body must always be kept out of movable/unsecured machinery and plant components	Employee	Continuously	x	Continuously			
h hazardous surfaces														
Sharp-edged grate bars Sheet metal edges which have not been deburred	BetrSichV DGUV Vorschrift 1	Entire working area Entire site/plant area	X X	D I	DD DD		Instruct staff Provide adequate lighting	Erection supervisor Erection supervisor	Before work begins Before work begins	X X	When work begins When work begins	E E	EE	L
rotruding corners/edges		Entire site/plant area	x x x	D I	OD C	M	Wear suitable personal protective equipment (protective gloves, hard hat, etc.) If possible, ensure sufficient freedom of movement at the workplace	Employee Employee	Before work begins Before work begins	X X	When work begins When work begins	E E	EE	L
t and work equipment in motion							in possibility, tribute definitions in codem or moteritating as the workplade	Empoyee	Bullion Work Bugins	, and a	Wildin Work Dogino			
t and work equipment in motion Inexpected starting of site vehicles, forklifts, etc.	BetrSichV	Entire site/plant area	x x	-	A EA		Only use suitable transport and lifting equipment, taking the weight of the respective parts and components						EC	
Inexpected starting of site vehicles, forkilits, etc. reople are run over by site vehicles, lifting platforms, forklift trucks, cranes, lorries	ArbStättV	Entire site/plant area Entire site/plant area	x x x	E			into account	Crane company/erection supervisor	Before work on site begins	x	When work on site begins	E (
verturning of pEveryonet stackers, cranes, lifting platforms, forklift trucks, lorries, etc.	DGUV Vorschrift 1 DGUV Vorschrift 52	Entire site/plant area	x x	1	A EA	н -	Only use transport and work equipment that is safe to operate and functions properly NEVER exceed load bearing capacity of transport equipment	Transport company/erection supervisor Employee/transport company	Before work on site begins Before work begins	x x	When work on site begins When work begins	E (EC EC	L
alling from site vehicles, lifting platforms, forklift trucks, lorries, etc.	DGUV Vorschrift 68 DGUV Vorschrift 70	Entire site/plant area	x x		A EA	Н	Check on a regular basis whether transport and work equipment functions properly and is safe to use Ensure adequate load bearing capacity and stability on transport routes	Erection supervisor Operator	Before work on site begins Before work on site begins	X X	When work on site begins When work on site begins	E (EC	L
	StVZO			1		ľ		Crane company	Before work on site begins	×	When work on site begins	1	į	I
				1			Check the technical equipment of vehicles for completeness, e.g. anti-roll system, climbing aids, first aid kit Transport equipment may only be operated by suitable and trained staff holding the relevant licenses, e.g. for forklift trucks and cranes	Erection supervisor/crane company	Before work begins	х	When work begins			I
								Industrial safety expert	Before work on site begins	x	When work on site begins	1		; I
							Regular medical check-ups for leased staff and MARTIN employees performing driving, operating and monitoring tasks (G25) Area must be cordoned off adequately if necessary	Erection supervisor	Before work begins	x	When work begins			1
							Transport routes must be kept clear of obstructions Transport routes must be marked and adequately lit	Everyone Operator	Continuously Before work on site begins	X X	Continuously When work on site begins			
		:					Transport routes must be kept separate from pedestrian traffic to the extent possible Keep at a safe distance from adjoining escape and transport routes	Operator Employee	Continuously Continuously	X X	Continuously Continuously			
		:					Secure movable transport equipment against unintentional starting/swinging Secure cargo adequately	Everyone/supplier Crane company/employee	Continuously Continuously	X X	Continuously Continuously			
							Secure that the driver's field of vision is not restricted; where this is not possible, a second person must assist in reversing the vehicle	Transport company/employee	Continuously	x	Continuously			
		į					Instruct the suppliers/employees	Site manager/erection supervisor	Before work begins	х	When work begins			
ved in an uncontrolled (incorrect) manner		:				ľ	Define crane areas (location, slewing range) in consultation with the operator/senior site manager before commencement of work	Site manager/erection supervisor/project management department	Before work on site begins	х	When work on site begins			
nproperly attached parts	BetrSichV	Entire site/plant area	x x	С .	A CA	Н	Store tools and equipment in a stable position, observing their centre of gravity, so as to ensure that they					E 6	EE	L
mproper handling of cargo mproper securing of cargo	DGUV Vorschrift 1 DGUV Vorschrift 38	Entire site/plant area Entire site/plant area	X X X X	C .	A CA A CA	H H	will not topple over or start unexpectedly	Erection supervisor/employee	Continuously	х	Continuously	E E	EE EE	Ŀ
Inexpected starting of the drives for the combustion system, feed chute damper, rimary air dampers, hydraulic cylinders (test runs)	DGUV Regel 100-500	Entire combustion system area	x x x		C DC	М	Use adequate safety equipment to prevent rolling and sliding or stop rolling and sliding parts (protection	Erection supervisor/employee	Continuously	x	Continuously	E 6		
pulpment and tools are not storred properly arge chunks of encrusted bottom ash may fall from furnace ceiling or walls		Entire site/plant area Entire combustion system area	X X X	В	B BB	H	against unintentional start, anti-roll systems, wedges, supports, etc.) Use suitable load bearing equipment that is tested/inspected on a regular basis	Erection supervisor	Continuously	x	Continuously	E [ED ED	Ļ.
ffect of wind on parts with large surfaces		Entire site/plant area	î î î	E	E EE	L	Loads must be attached correctly by suitable and trained staff	Erection supervisor/employee	Continuously	x x	Continuously	E E	EE	į.
eavy-duty rollers used to transport cargo start rolling unexpectedly nsecured doors and manholes		Combustion system/boiler area Combustion system/boiler area	x x x	E	D ED	L -	Secure/mark hazard zones adequately Shut off the hydraulic system and secure it to ensure that it cannot be switched on again	Erection supervisor Erection supervisor	Continuously Continuously	Х	Continuously Continuously	E E	EE	i.
Dejects falling down or over due to unexpected release of blockages		Entire site/plant area	x x x	С	C CC	M	Weld on end stops if required Use suitable fall arrest equipment (e.g. nets) where necessary	Erection supervisor Erection supervisor	Continuously Continuously	X X	Continuously Continuously	E 6	EE	L
i de la companya de							Lateral pull on attached loads must be avoided Use a tag line or rod to stabilize the load	Employee Erection supervisor	Continuously Continuously	X X	Continuously Continuously			
							Wear suitable personal protective equipment (hard hat, etc.) Instruct staff	Employee Erection supervisor	Continuously Before work begins	X X	Continuously When work begins			
						ŀ	Perform visual inspections before entering the furnace	Erection supervisor/customer	Before work begins	х	When work begins			
						ŀ	If necessary, remove large chunks of encrusted bottom ash from a safe distance from above using a rod. Intensify cleaning of the boiler during shutdown using the appropriate cleaning facilities.	Customer	Before work begins	х	When work begins			
							Take due note of wind speeds when lifting components into place	Crane company	Continuously	x	Continuously			
							All parts of the body must always be kept out of the danger zone if crushing hazards occur, for example due to the uncontrolled movement of components	Employee	Continuously	×	Continuously			
evel ground, slipping, tripping, spraining, misstepping						ľ	All parts of the body must always be kept out of the danger zones of blocked items. Blockages must be released in a suitable manner, while taking appropriate safety precautions.	Employee	Continuously	х	Continuously			
surfaces soiled with hydraulic oils/greases	ArbStättV	Entire plant	x x x	С	O CD	M -	Wear suitable footwear/personal protective equipment	Employee	Continuously	х	Continuously	E E	EE	L
rate covered with dust and ash let or icy surfaces	DGUV Vorschrift 1 DGUV Regel 108-003	Grate area Entire site/plant area	X X X	C	D CD	M	If risk of falling cannot be eliminated, the following measures must be taken: provide adequate lighting, mark	Erection supervisor	Before work begins	x	When work begins	E E	EE	L
rate without surface (carrier beams) seder (different feed ram positions)		Grate area Feeder area	x x x	C	O CD	M	hazardous areas with colours or fit warning signs in a clearly visible position to make the hazard obvious Fit sufficiently large and adequately shaped tread surfaces where possible	Scaffolding erector/erection supervisor	Before work begins	x	When work begins	E 8	EE	L
issing walkway parts, or walkways and plant components that have not yet been fully instEveryoned ntidy workplace (e.g. due to equipment, work pieces, waste, etc. from other companies)		Entire site/plant area Entire plant	X X X	Ε .	A EA	н -	Grating must be secured immediately against lifting and displacement Cables and pipes must be laid in such a way as to prevent tripping	Boiler manufacturer/operator Employee	Before work begins Continuously	x x	When work begins Continuously	E 6	EE	L
Infinished concrete surfaces		Entire site/plant area	x x		CD CD	M -	Course and pipes made to said in such a way as to prevent inpung Ensure that transport routes and work areas are safe to step on and free of obstructions and do not narrow them Instruct staff	Emproyee Everyone Erection supervisor	Continuously Continuously Before work on site begins	x x	Continuously When work on site begins	E E	EE	Ĺ
							instruct starr Keep site clean and tidy	Erection supervisor Erection supervisor	Before work on site begins Continuously	X	Continuously	1		
a height				1							į			1
rate without surface (carrier beams)	BetrSichV	Grate area	x x	C	D CD	М		Erection supervisor/operator	Continuously	x	Continuously	E E	EE	L
isk of falling from heights due to inadequate fall protection sh pit	DGUV Vorschrift 1 DGUV Vorschrift 6	Entire site/plant area Grate/discharger area	X X X	D .	A CA B DB	н -	Ensure safe access to workplaces (stainvells, scaffolding, walkways, etc.) Ladders must not be used for work lasting long periods of time, nor for heights of more than 5 m	Employee	Continuously	X	Continuously	E E	EE EE	Ľ
hute eed edge	DGUV Vorschrift 38 DGUV Regel 101-015	Chute area/waste pit Feeder area	X X X X X	D	C DC	M -	Scaffolding must be erected such that it is stable Adequate fall arrest equipment must be used:	Scaffolding erectors Erection supervisor	Before work begins Before work begins	X X	When work begins When work begins	E E	EE	L
adders, steps and stairs		Entire site/plant area	x x	С	O CD	M	* irrespective of the height at which workplaces and transport routes are located: when working in the vicinity of or above material into which staff might sink					D E	DE	L
caffolding is unstable due to improper erection proper handling of lifting platforms		Entire site/plant area Entire site/plant area	X X X X	E E	A EA B EB	M M	* at heights of 1 m and above:				!	E E	EE EE	L L
adequately marked/secured floor openings in concrete floors, walkways, scaffolding		Entire site/plant area	хх	C	A CA	v	when working on or at points of access to stainways, landings, wall openings, operating platforms of machines/plant components that are not fitted with safety barriers				<u> </u>	E C	EE	
sople suffering from a fear of heights		Entire site/plant area	x x	E		L	* at any other workplaces and transport routes located at heights of 2 m and above						EE	
				1			If possible, use lifting platforms (they must be set up such that they are stable and must be inspected and	Employee	Before work begins	x	When work begins			
				1			operated by qualified staff in compliance with applicable regulations) Coveriorotron off all floor or celling opening. Only suitable staff may work at heights. Erectors must be asked whether they are capable of working at	Erripioyee Erripioyee Erripioyee	Before work begins	X	When work begins	1		L
		į		1			Only suitable staff may work at heights. Erectors must be asked whether they are capable of working at heights BEFORE commencement of work	Erection supervisor	Before work on site begins	х	When work on site begins			L
				1			Regular medical check-ups as per G41 for staff performing work that involves a risk of falling (not absolutely necessary for MARTIN employees but	Industrial safety expert	Before work on site begins	x	When work on site begins	1	į	
				1		d	Regular medical check-ups as per G41 for sain performing work that involves a risk or faming (not absolutely necessary for work risk employees but sheek-ups are performed at the employees' request). This type of check-up is recommended for leased workers.	mountain oddy oxport	School work off and paying		THE HOLK OIL SILE DEGITS		į	
				1		ŀ	If risk of falling cannot be eliminated, the following measures must be taken: provide adequate lighting, mark hazardous areas with colours or fit warning	Operator/erection supervisor	Before work on site begins	х	When work on site begins		į	1
						8	signs in a clearly visible position to make the hazard obvious BEFORE commencement of work, the ash pit must be secured against falling and the provisional walkway from the rear wall to the grate must have	F	Defendant :		W/ ···	1		1
							seen fitted. In addition, the feed chute damper must be closed and secured so that it cannot be opened inadvertently	Erection supervisor	Before work begins	х	When work begins			
		į			- 1		Wear suitable personal protective equipment (fall arrest equipment) and make sure that the fall arrest equipment is attached correctly	Employee	Continuously	x	Continuously			1
				1	1 1		Keep off scaffolding not approved for use When working on the grate after the grate surface has been removed (carrier beams), the grate must be covered with wooden planks	Employee Erection supervisor	Before work on site begins Continuously	X X	When work on site begins Continuously			
				1			Scaffolding must be erected such that it is stable Instruct staff	Scaffolding erectors Erection supervisor	Before work begins Before work on site begins	X X	When work begins When work on site begins	1		1
		•	1 1 1	1 :	: :	: -	Keep off scaffolding not inspected or not approved for use	Employee	Continuously	X	Continuously	1 :		: I

Risk assessment pursuant to sections 5 and 6 of the German Health and Safety at Work Act										Index no.:		QM V 045-KMR G					
(incl. measures and documentation)									Risk assessment		Date of last revision:		01/04/2020				
aftersales service, erection and overhaul activities			AS: after	sales service	PB: pro	ability			= high risk, urgent need for action; action must be taken immediately.		Drawn up and revised annually by the industrial safety exp	ert:	Michael Kreppold / Harald Görres	On:	01/04		
category/persons: erection supervisors and erectors (leased staff and employees)			ER: erect	ion	SV: sev	ritu			I = medium risk; devise an action plan and implement measures promptly.		Released by the head of department:		Wolfgang Braun	In:	01/0		
			OH: over		SV. SEV	iity			= low risk; action plan recommended.				Hans Peter Holl				
erection/overhaul of components for combustion and dry digestion systems		•	OH: over	naui	<u> </u>				= low risk, action plan recommended.		Released by the board of directors:		Hans Peter Holl	In:	01/04		
	Ordinances/		1 160	phases				ļ				Measures		Result of measures taken	R		
Potential hazards associated with tasks performed and description thereof	regulations/ information	Hazard location/workplace	Life	pnases	Acco	ding to MA	RTIN risk r	matrix	Measures that can be taken to eliminate the hazard or reduce its probability and severity	Responsible	To be carried out	taken (mark with cross)	Carried out	Risk assessment	"		
			К	м он	PB	SV	Total	Risk				(mark with cross)	′	PB SV Total R	Risk		
		į	1 1			1 1						į	į				
trical hazards		1	1 !	į		1					;		•				
k currents				- 1									1				
- 230/400V equipment and systems are defective/dysfunctional or there is moisture, water or snow in their vicinity	BetrSichV ArbStättV	Entire site/plant area		х х		Α		н (Choose and operate equipment and systems in accordance with operating conditions, regulations, external influences, electrotechnical rules IP/mechanical protection)	Erection supervisor	Before work on site begins	×	When work on site begins	E E EE	L		
- Secondary current for welding devices	DGUV Vorschrift 3 DGUV Information 203-001	Entire site/plant area		х х	С	Α	CA	H -	Only permitted and intact electrical devices (lamps, electrical tools) may be used, e.g. devices with safety separation or safety extra-low voltage facilities	Employee/erection supervisor	Before work on site begins	x	When work on site begins	E E EE	L		
	DGUV Information 203-004		1 1	- 1		1 1			Defects in electrical systems/equipment must be eliminated immediately by a qualified electrician	Erection supervisor	Continuously	х	Continuously				
	DGUV Information 203-005	1		1		1 1		_	Check electrical systems and equipment before start-up, after repair work and at regular intervals	Erection supervisor	Before work on site begins	x	When work on site begins				
				- 1		1 1		-	Residual current device must be instEveryoned and effective (provides protection against indirect contact by switching off equipment, issuing a nessage, etc.)	Erection supervisor	On a daily basis	×	On a daily basis				
		1		1		1 1			Protective measures required for areas of increased electrical hazard must be implemented and checked for effectiveness (safety separation/safety		:		<u> </u>	1 1 1			
				į		1		е	xtra-low voltage facilities, residual current device I∆N≤ 30 mA)	Erection supervisor	Before work on site begins	х	When work on site begins				
		•	1 1	1		1 1		=	Isolating transformers must be used in closed vessels	Erection supervisor	Continuously	x	Continuously				
		1		i		1 1	: :	-	The equipment must be disconnected from the power supply and secured before work starts The power supply must not be switched on until installation work has been completed	Site manager/operator Site manager/operator	Before work begins Before work on site begins	X X	When work begins When work on site begins				
									The applicable safety distances from live systems must be complied with Wear suitable personal protective equipment	Employee Employee	Continuously Continuously	X	Continuously				
			1 1	į		1 1			Instruct staff	Erection supervisor	Before work begins	X	When work begins				
			1 :					ľ	Persons who have suffered an electric shock must see a doctor or go to hospital. The superior must be informed immediately.	Employee	Continuously						
tric arcs			1 1					- 1				į	į				
- Welding - Short-circuits		Entire site/plant area Entire site/plant area		X X	C	A	CA CA	H :	See measures specified in section 2.1 "Shock currents"			<u> </u>	i i	E E EE	L		
- SHORT-GILCUILO		criure site/plant area		^	· C	А	UA.				<u> </u>	!	<u> </u>	c c tt	-		
						- 7		Ţ				·	_	1			
ardous substances (inhaling, swallowing, exposure of skin, mucous membranes and eyes)								- 1				:	:				
												!	<u> </u>				
- Welding gases - Welding smoke		Entire site/plant area Entire site/plant area		X X	A	A	AA	н -	Use welding gases properly and professionally, extract welding smoke Avoid, replace hazardous substances wherever possible or use alternative processes	Erection supervisor Employee	Continuously Before work on site begins	X X	Continuously When work on site begins	E E EE	L		
- Welding smoke - Fermentation gases (refuse pit)		Refuse pit area	X	X X		С	EC	L -	Limit periods of exposure to a minimum	Employee Erection supervisor	Continuously	х	Continuously	E E EE	L		
- Natural gas (combustion system) - CO and CO ₂		Combustion system/boiler area Vessels and encloses spaces	X	X X	Č	A A	CA CA		If hazardous substances are used, the relevant safety data sheets must be available on site	Industrial safety expert/erection supervisor	Before work on site begins	х	When work on site begins	E E EE	È.		
		1		į.		1 1		-	Keep a list of hazardous substances used Mark hazardous substances and mixtures	Industrial safety expert Supplier	Before work on site begins Before work on site begins	X X	When work on site begins When work on site begins				
				į		1 1		-	Define protection levels for hazardous substances and take necessary precautions, in particular for their storage	Operator	Before work on site begins	Х	When work on site begins				
			1 1			1 1		-	Prevent potentially explosive atmospheres by installing suitable extraction/ventilation facilities	Erection supervisor/operator	Before work on site begins	×	When work on site begins				
						1 1		-	An extraction facility is required for major welding work Observe prescribed hygiene measures (smoking, eating and drinking ban)	Erection supervisor/employee Employee	Continuously Continuously	X	Continuously Continuously				
						1 1	1	Ē	Medical check-ups of exposed persons must be performed on a regular basis; additional check-ups as per G39 (welding smoke) are recommended for	Industrial safety expert	At regular intervals	x	At regular intervals				
		1	1 1	- 1				le	assed staff Wear suitable personal protective equipment, e.g. dust/filter masks when performing welding work, or				•	1 1 1			
				i		1			protective gloves when handling liquids, waste, etc.)	Employee	Continuously	X	Continuously				
- H2S (hydrogen sulphide contained in biogas)	BGI 565	Vessels	Х	Х	D	Α	DA	н	Instruct staff Analyze air in vessels and confined spaces to ensure that there are no harmful substances	Erection supervisor Erection supervisor	Before work begins When work begins	X X	When work begins When work begins	E D ED	L		
- Ammonia	Safety For biogas plants	and Confined spaces	х	х	D	А	DA	H -	Ensure adequate ventilation Personal gas detectors must be worn if necessary	Erection supervisor Employee	When work begins Continuously	X X	When work begins Continuously	E D ED	L		
s - Varnishes/paints		Entire plant	Y	Y Y	F	D	FD.		See measures specified in section 3.1 "Gases"				1	E E EE			
		Little park	1 ^		_	1 1	LU		nedadio specifica in section 6.1 Gases								
ols - Rust removers		Entire combustion system area	х	х х	Е	D	ED	L	See measures specified in section 3.1 "Gases"			<u> </u>	‡	E E EE	L		
- Cleaning agents for brakes		Entire combustion system area	х	х х	E	D	ED	L				i I	•	E E EE	L		
ds - Varnishes/paints		Entire plant		х х	_		CF.		See measures specified in section 3.1 "Gases"			į	į.	E E EE			
- Hydraulic oils		Hydraulically-operated systems	X	х х	C	E :	CE	Ĭ.	see illeasules specified ill section 3.1 Gases			!	•	E E EE	Ĭ.		
- Greases - Degreasing agents		Entire combustion system area Entire combustion system area	X	x x x x	C	: E	CE	L				İ	•	E E EE	L		
- Degreasing agents - Cold cleaning agents - Diesel fuels - Diesel fuels		Entire combustion system area Entire site	X	X X	C	E	CE	L				: :	<u> </u>	E E EE	L		
- Sewage sludge		Combustion system/boiler area	x	î î	E	A	EA	H				1	<u> </u>	E E EE	Ĭ.		
- Iron (II) chloride		FeCl3 storage area	×	Х	С	Α	CA	-	Always wear protective goggles when working on the system Wear gloves	Employee Employee	Continuously Continuously	X X	Continuously Continuously	E E EE	L		
- Water-glycol mixtures [brine solution] (anti-freeze agent)		Water circuits instEveryoned outdoors		×	D	D	DD	-	Employees must be instructed with respect to toxic and irritating effects Instruct employees with respect to dangers (do not swallow or breath in; wash off carefully)	Erection supervisor Erection supervisor	Before work on site begins Before work on site begins	X X	When work on site begins When work on site begins	E E EE			
Trace grow modeles forme solution; (and needed again)		Water circuits materaryorica outdoors	1 ^				55	-	Provide eye bath	Erection supervisor / operator	Before work on site begins	x	When work on site begins				
- Waste dust		Refuse pit area	х	x x	С	Α	CA	н	See measures specified in section 3.1 "Gases"					E E EE	L		
					_	1.7	٥.	-	Regular medical check-ups of leased staff and MARTIN employees as per G2 (lead or its compounds), G9 (mercury or its compounds),	hadronial autoria	Defension 1 2 1 1	×	When west	1 - 1 - 1 - 1			
- Waste - Grinding dusts		Refuse pit/combustion system area Combustion system/boiler area						H	G15 (chrome (IV) compounds) and G32 (cadmium and its compounds)	Industrial safety expert/staffing agency Operator	Before work on site begins Before work on site begins	X X	When work on site begins When work on site begins	E E EE	Ĺ		
- Ash/smoke - Insulation dusts		Combustion system/boiler area Combustion system/boiler area	X	х х	A	A	AA		The customer must remove all uncombusted waste on the grate, feeder and chute before work begins Provide adequate lighting	Operator Operator/erection supervisor	Before work on site begins Before work begins	X	When work begins	D E DE E E EE	L		
- Welding smoke		Combustion system, boiler, digester	X	x x	A	A	AA	н	It is recommended that suitable personal protective equipment should be worn when other companies/lot contractors are performing insulation work	Erection supervisor	Continuously	x	Continuously	E E EE	L		
- Hospital waste - Asbestos dusts		Refuse pit/combustion system area Combustion system/boiler area	X	х х	D	A	DA	H	;			ì	•	E E EE	Ĺ		
- Mineral dust		Combustion system/boiler area	Х	x X	D	A	DA	H to	Do not work with substances, materials, dusts, etc. containing asbestos. This also applies to materials and substances whose composition is unknown out. If necessary, the operator must hire a specialized company to remove and dispose of such materials or substances	Operator	Before work on site begins	х		E E EE	L		
						1 1	}		Wear suitable personal protective equipment such as safety goggles (preferably full-seal) or P3 dust masks. Wear suitable respiratory equipment, e.g. a	Employee/erection supervisor	Continuously	×	Continuously				
						1 1	1	s	elf-contained breathing apparatus, when working in high dust environments								
way reactions								ļ				İ					
- Not applicable		<u> </u>		<u>i</u>	L							<u> </u>	<u> </u>	<u> </u>			
		:		1		-						:	:				
azards						: :		ļ				1	-				
ion hazard due to microorganisms, viruses, biological agents												:	<u>:</u>				
Municipal solid waste of unknown origin Municipal solid waste of unknown composition	DGUV Information 209-054 BioStoffV	Refuse pit/combustion system area Refuse pit/combustion system area	X	x x x x	C	A	CA CA	H ·	If possible, avoid contact (skin, eyes, inhalation) with biological agents	Employee	Continuously	Х	Continuously	E E EE	L		
- Agricultural waste	TRBA 500	Refuse pit/combustion system area,	Х	х х	Č	A A	CA	H -	If necessary, restrict access or cordon off area	Erection supervisor/ Operator	Before work begins	Х	When work begins	Ē Ē ĒĒ	L		
- Hospital waste		delivery area of biogas plant Refuse pit/combustion system area	X	х х	С	А	CA	Н		Operator	Before work on site begins	x	When work on site begins	E E EE	L		
- Industrial waste		Refuse pit/combustion system area	Х	х х	С	Α	CA	н	Before work begins, the working areas must be cleaned to the extent possible and waste and bottom ash must be removed			i.		E E EE	L		
Intermediate and and products from the ati		Erder Menne			_		CC.	<u>,,</u> .	Wear suitable protective clothing (dust masks, protective gloves, safety footwear with anti-puncture steel sole, etc.)	Employee	Continuously	X	When work on site begins	E 0 50	6		
- Intermediate and end products from the generation of biogas (centrifugate, percolate, substrate, seepage water)		Entire biogas plant	×	х	C	С	1	-	Avoid contact with these substances to the extend possible (e.g. wear gloves) Wash off contaminations immediately	Employee	Continuously	Х	Continuously	E C EC (G		
Organic waste from meat processing industries See also section 4.4 "SARS-CoV-2/COVID-19"	BioStoffV, TRBA 500	Delivery area of biogas plant	×	х	С	Α	CA	н -	Carry out medical check-ups and necessary vaccinations (e.g. Hepatitis A and B) on a regular basis Wear suitable protective clothing (dust masks, protective goggles)	Head of division / company physician / staffing agency Employee	Before work on site begins Continuously	X X	When work on site begins Continuously	D D DD 1	М		
- See also Section 4.4 SARS-Cov-2/COVID-19 tically modified substances - Agricultural waste		Defense elle	1.1				· ·			uniproyee	Continuously	_ ^	Constitutionally				
- Agricultural Waste		Refuse pit/combustion system area, delivery area of biogas plant	X	х х	С	Α	CA	н -	Ensure excellent illumination for cleaning the grate and feeder so that medical waste, for example, can be detected in good time	Operator	Before work on site begins	х	When work on site begins	E E EE	L		
		:							Obsenie neneral huniene rules		1	1	Continuously				
ronergens and toxic substances from organisms - Waste of unknown origin									Observe general hygiene rules	Employee	Continuously	Х	ContinuodSty				
- Waste of unknown origin - Formation of mould		Refuse pit/combustion system area Refuse pit,		X X X X		A A			Regular medical check-ups are recommended for leased staff and MARTIN employees who perform work involving a risk of infection (G42). Determine	Industrial safety expert/staffing agency	Before work on site begins	х	When work on site begins	E E EE	L		
			1			1 "						1					
Fermentation gases in the refuse pit area		Areas for delivery and storage of organic Refuse pit area	ic					tl	ne risk of infection during work-related medical check-ups. Ensure that staff receives advice on available vaccines (immunization) Instruct staff	Erection supervisor	Before work begins	X	When work begins	E E EE	L.		

(incl. measures and docum	erman Health and Safe entation)		Life phases	- 1				Risk assessment		Index no.: Date of last revision:		G		
k: aftersales service, erection and overhaul activities	icitation)		AS: aftersales	service Pl	t: probabilit	lv		H = high risk, urgent need for action; action must be taken immediately.		Date of last revision: Drawn up and revised annually by the industrial safety ex	nert:	01/04/2020 Michael Kreppold / Harald Görrer	on:	01/04/2
al category/persons: erection supervisors and erectors (leased staff and employees)			ER: erection		: severity	.,		M = medium risk; devise an action plan and implement measures promptly.		Released by the head of department:		Wolfgang Braun	In:	01/04/2
erection/overhaul of components for combustion and dry digestion systems			OH: overhaul	Ĭ	. sevency			L = low risk; action plan recommended.		Released by the board of directors:		Hans Peter Holl	In:	01/04/2
	Ordinances/		Life pha	ses							Measures		Result of measures taken	Refe
Potential hazards associated with tasks performed and description thereof	regulations/ information	Hazard location/workplace	K M				TIN risk mat Total R		Responsible	To be carried out	taken (mark with cross)	Carried out	Risk assessment PB SV Total Ris	in a
tS-CoV-2/COVID-19 - Disease (COVID-19) caused by coronaviruses (SARS-CoV-2)	Current pandemic in 2020	Entire site and plant area,	хх	v	D	D	DD.	- At the beginning of the SARS-CoV-2 epidemic (as of 01/2020), destinations were evaluated as to the risk prevailing in the region they are located in.			-		C B CB H	
- Disease (COVID-19) Caused by Coloniani uses (SARCO-COV-2)	Current particentic III 2020	Munich office	^ ^	^			55	Since 03/2020, the national and international situation is that of a pandemic.	Everyone	Continuously	x	Continuously	C B CB	
								- As of 03/2020, any unnecessary direct contact should be avoided for a limited period of time. The corresponding measures are as follows:	MARTIN's management	Continuously	х	Continuously		
								o Shutdown of establishment (Munich office) from 1903/2020 for at least 4 weeks until presumably mid-April. Working from home to the extent possible avoiding all unrequired travelling (regional, national, international), communication via telephone, Skype or email to the extent possible. o Makino contact with external companies is to be avoided if loossible. The number of individuals present at sites must, if possible, be limited	e, Evervone	Continuously	x	Continuously		
								correspondingly. If direct contact cannot be avoided locally (in the office, at plants, set.), a distance of > 1.5 m should always be maintained between the persons concrement. Il maintaining this distance is not possible (generally in teams of 2 to 4 members), the period of contact must be short as possible or work processes must be adjusted accordingly. In addition to using PPE in designated areas, it can be justified for staff members to use protective equipment such as gloves, masked or glasses in particular situations. In all other areas, however, such equipment is generally not required. Should authorities or institutions change relevant regulations in individual countries, the changed regulations must be applied and adhering to maintaining the salesy distance may be facilitated by omitting hairs to by staggering use of the facility over time (organiz). Touching each other and fouching the same objects should be avoided. Touching each other and fouching the same objects should be avoided. To avoid the risk of infections when using local public trasport, staff members are urged to use their own car if possible. When transporting groups of people: Reducing the number of persons in the vehicle by making several trips or, if possible, using several whickes.	e	Commoder	, and the second	Commoduly		
							į	o To the extent possible, it is explicitly recommended working in shifts staggered over time and/or in teams that are locally and chronologically independent of each other when performing their tasks. This avoids that a route of infection is established as well as that all staff members must possible.	Superior, site management, erection supervisor	Continuously	х	Continuously		
								be quarantined if an individual member is tested positive for SARS-CoV-2. o Every employee was informed about the duty to completely refrain from making direct contact with other people should symptoms of a disease occur		Continuously	х	Continuously	-	
								(until full recovery or until tested negative for SARS-CoV-2). The employer must be informed immediately. o All employees were made aware of the general strict hydiene precautions such as washing hands regularly and adhering to the coughing and sneezi	ng: Everyone	Continuously	x	Continuously		
					i			etiquette. Soap, disinfectant and FFP2 or FFP3 respiratory equipment are made available to the employees on site.		Collandously	Î	Collinadasiy		
								o Sanitary facilities and changing rooms must be cleaned regularly and thoroughly. A sufficient supply of disposable towels and soap must be available, workplaces where such a supply cannot be made available, hand sanitizers must be readily available and regularly filled up.	At Site management	Continuously	Х	Continuously		
								o As recommended by the Bavarian State Ministry for Family Affairs, Labour and Social Affairs on 24/03/2020, pregnant members of staff may only exclusively work from home or are exempt from employment.	Everyone	Continuously	Х	Continuously		
								The current in-house procedure, which during the Crotix. The current in-house procedure, which during the Crotix. The current in-house procedure, which during the Crotix in the Crotix in the Crotix in the Crotix in the Bararian State Covernment, health authorities and the Robert Koch Institute), is regularly re-evaluated and adjusted and corresponding information is distributed to the members of staff.	MARTIN's management/emergency team	Continuously	х	Continuously		
					-		-	Chrisporning information is distributed to the frienders of stati. The following generally applies: Persons at particular risk (persons 65 years old or older, persons with diseases such as hypertension, diabetes, cardiovascular diseases and chronic respiratory diseases as well as persons undergoing therapies or affected by diseases impairing the immune system.	Aftersales service, erection, overhaul department, n, site management, erection supervisor	Continuously	×	Continuously		
							i	calculusacion accesses and criticin legislatory businesses as were as personal bungaring inequies or allevied by uscasses imparing the immune system e.g. cancer) must be protected by taking suitable (cehnical/organizational) measures. - Instruct staff in accordance with the information sheet.	Site management/erection supervisor	Continuously	x	Continuously		
								The date of the control of the second of the	One management execution aspect tool	Continuous	Î	Containation		
e or explosion hazard												<u>:</u>		
hazard posed by solids, liquids and gases - Easily inflammable substances (consumables/waste)	DGUV Vorschrift 1	Refuse pit/combustion system area	хх	х	E	A	EA		Erection supervisor/employee	Continuously	х	Continuously	E E EE L	L
- Self-igniting materials - Large quantities of combustible materials such as waste	BetrSichV DGUV Regel 113-001 ArbStättV	Refuse pit/combustion system area Refuse pit/combustion system area Refuse pit/combustion system area	X X	X	E		EA EA	If possible, do not use potentially inflammable or explosive substances or limit the quantity/concentration used Check which easily flammable substances are on site	Operator/erection supervisor	Continuously	x	Continuously	E E EE L	L
- Oils, greases, spray cans - Military waste	DGUV Regel 100-500 GefStoffV	Refuse pit/combustion system area	x x	x	E	A	EA	Storage of these substances at the workplace/on site must be limited to the quantities necessary to ensure uninterrupted work Keep solids, liquids and gases away from sources of ignition	Erection supervisor/employee Employee	Continuously Continuously	X X	Continuously Continuously	Ē Ē ĒĒ	i .
antially explosive atmosphere due to green fumes miete and duete	DGUV Information 205-001							- reep solids, liquids and gases away from sources or gladon - Fire hazard areas must be marked clearly - Provide adequate and inspected fire extinguishing equipment	Operator/erection supervisor Operator	Continuously Continuously Before work begins	ŷ	Continuously When work begins		
ntially explosive atmosphere due to gases, fumes, mists and dusts - Fermentation gases		Refuse pit/combustion system area	х х	Х	Е	Α	EA 📉	Provide fire blankets/fire extinguishers	Erection supervisor	Before work begins	x X	When work begins	E E EE L	L
		<u> </u>			1			- If possible, avoid welding work in the refuse pit area - Restrict/adequately close off access to hazard areas	Erection supervisor Erection supervisor	Before work begins Before work begins	X	When work begins When work begins		
- Biogas (CH ₄ , methane)	Biogas plants	Confined spaces	х	Х	D	A	DA	- Keep escape routes clear and mark them adequately	Operator Erection supervisor	Before work begins When work begins	X	When work begins When work begins	E A EA	Н
- H2S (hydrogen sulphide)	Biogas plants	Confined spaces	*	*	ь	А	DA	Prevent potentially explosive atmospheres by installing suitable extraction/ventilation facilities Instruct staff on explosion hazards as well as on preventive and precautionary measures to be taken	Erection supervisor / industrial safety expert	Before work on site begins	×	When work on site begins	E A EA H	н
losives - Military waste, ammunition, etc.		Refuse pit/combustion system area	х х	x	E	Α	EA	- Prevent potentially explosive atmospheres by providing suitable ventilation/extraction facilities	Operator	Before work begins	X	When work begins	E E EE L	L
- Pyrotechnic waste		Refuse pit/combustion system area	х х	x	E	A	EA	Monitor concentration if necessary Activities of different companies, lots, etc. must be coordinated	Operator Health and safety coordinator	Before work begins Before work begins	X	When work begins When work begins	E E EE L	L
ctrostatic charges		:						Obtain permission to work in the refuse pit area from customer/operator Check whether waste contains military waste, ammunition, etc.	Erection supervisor Operator	Before work begins Before work on site begins	X X	When work begins When work on site begins		
- Not all plant components are earthed		Combustion system/boiler area	Х		E	D	ED	- All conductive equipment must be earthed (equipotential bonding) - Wear suitable protective clothing (no conductive clothing or footwear) - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff - Instruct staff	Operator/civil part Employee Erection supervisor	Before work on site begins Continuously Before work begins	X X X	When work on site begins Continuously When work begins	E E EE L	L
ormal hazards														
tact with hot media - After shutdown, the plant exhibits hot surfaces due to fire, steam, bottom ash, hot plant components;	DGUV Vorschrift 1	Combustion system/boiler area						4 Avoid contact with hot media	Employee	Continuously			E E EE L	L
- Hot surfaces after weiding/separation or plant components, etc Splashes of hot material (e.g during welding)	DIN EN 563	Combustion system, boiler, digester Combustion system, boiler, digester		X	В	D	BD	Use safety barriers or other separating safety devices; attach warning signs Wear suitable protective clothing (a.e. for welders)	Operator Employee	Before work begins Continuously	X X	When work begins Continuously	E D ED L	i
Scalds caused by hot discharger water when opening the access door during shutdown of the plant Steam escaping from plant components of adjacent lines in operation		Combustion system/boiler area	X X				EC	- Wear suitable protective clothing (e.g. for welders) - Instruct employees concerning contact with hot media - Perform work only on plant components that are "not in operation"	Erripioyee Erection supervisor Everyone	Before work begins Continuously	x x	When work begins Continuously	E E EE L	L
- Seem escaping non pain componens or aquaem lines in operation tack with cold media - Not applicable		Combustion system/boller area	Î	^	-	^	EA	- Periorin work only on plant components that are not in operation	Everyone	Continuousiy	^	Continuously		
to oppose					- !									
zards due to specific physical influences														
 Grinding/welding machines, other machinery, hammers, cutting torches, plant components (in operation), etc. 	DGUV Vorschrift 6 DGUV Information 209-023	Entire site/plant area	хх	х	Α	A	AA .	- Identify noisy areas with a noise rating level of ≥ 85 dB(A) - If possible, choose processes/equipment producing lower noise levels	Health and safety coordinator Erection supervisor	Continuously Before work begins	X X	Continuously When work begins	E E EE L	L
	LärmVibrationsArbSchV							 In possible, choose processes equipment producing lower noise revers Noisy areas must be marked if noise rating levels ≥ 85 dB(A) or peak levels (Lpeak) ≥ 140 dB (mandatory sign M 03 "Use ear protection") 	Operator	Before work on site begins	x	When work on site begins		
							- 1	- Wear suitable ear protection	Employee	Continuously	Х	Continuously		
								Regular medical check-ups are recommended for MARTIN employees and leased staff who perform work in noisy environments (G20). MARTIN's aftersales service, erection and overhaul staff and workers leased from staffing.	Industrial safety expert	At regular intervals	Х	At regular intervals	-	
								agencies must be given the opportunity to have a medical check-up as per G20 (work in noisy environments)	Industrial safety expert/company physician/safety officer	At regular intervals	x	At regular intervals		
								- Instruct staff	Erection supervisor	Before work begins	x	When work begins	1	
sound - Not applicable														
e body vibrations - Vibrating conveyor (if still in operation; max. exposure time: 1 to 2 min.) - Construction equipment such as forkfillt trucks, litting platforms, etc. (only short-term exposure)	BetrSichV VDI 2057	Combustion system area Entire site/plant area	X X X X	X X	E E	E E	EE EE	- Avoid whole-body vibration area until plant component has been switched off/shut down	Employee	Continuously	х	Continuously	E E EE L	L L
d and arm vibrations - Handling of hammers, angle grinders	BetrSichV	Combustion system/boiler area	X	х	A	E	AE	- Workers must take sufficient breaks or alternate tasks	Employee	Continuously	x	Continuously	A E AE L	L
	VDI 2057 DGUV Information 209-001	(Pre-)assembly workshop						- Instruct staff	Erection supervisor	Before work begins	î.	When work begins		
-ionizing radiation - Arc welding	BetrSichV	Entire site/plant area	Х	х	С	D	CD	4 <u> </u>	Employee	Continuously	x	Continuously	E E EE L	L
- High exposure to solar radiation during the erection of new plants	DGUV Regel 112-192 DGUV Regel 100-500	Entire site/plant area	Х	х	С	D	CD	- Suitable protective measures must be taken; in particular, eye protection against UV radiation must be worn during welding	Employee Employee	Continuously	x x	Continuously	E E EE L	L
	DGUV Information 209-016						į	Protection against UV radiation must also be used outdoors (caps, long sleeve clothing, sunscreen with a high sun protection factor, etc.) It must be ensured that exposed persons take sufficient breaks Wear suitable protective clothing (e.g. for welders)	Employee Employee Employee	Continuously Continuously	X X	Continuously Continuously		
zing radiation							i	- Instruct staff	Erection supervisor	Before work begins	x	When work begins	1	
zing radiation - X-ray testing of weld seams (material testing) - Radioactively contaminated waste components	RöV StrlSchV	Entire site/plant area Refuse pit/combustion system area	X X	X X	E E	A A	EA EA	- Shield off/mark hazard areas adequately - Avoid hazard areas	Supplier/site manager Employee	Before work begins Continuously	X X	When work begins Continuously	E E EE L	L L
	BetrSichV	narasa precompusion system area	^	^	-			- Avoid nazard areas - Perform weld seam testing outside normal working hours	Employee Supplier/site manager	Continuously Before work begins	X	When work begins	` ` " "	
							į	Weld seam testing may only be performed by companies with suitable and appropriately trained staff Instruct staff	Operator/boiler manufacturer Erection supervisor	Before work begins Before work begins	X X	When work begins When work begins		
ctromagnetic fields - High-voltage installations														
- Welding machines	EMVG DGUV Regel 103-05	Entire site/plant area Entire site/plant area	X X	X	E E	E	EE i	- Shield off/mark hazard areas adequately - Keep period of exposure as short as possible	Supplier/site manager Employee	Before work begins Continuously	X X	When work begins Continuously	E E EE L	L L
- Magnetic testing		Entire site/plant area	Х	Х	E	E	EE	Mark hazard areas with warning signs No access for people with pacemakers	Operator/supplier/site manager Employee	Before work begins Continuously	X X	When work begins Continuously	E E EE L	L
								- Instruct staff	Erection supervisor	Before work begins	X	When work begins	-	1
					1	:	- 1			:	1	1	1 1 1	1
k under negative or positive pressure - Not applicable							1							

Risk assessment pursuant to sections 5 and 6 of the Ge		y at Work 7tot									Index no.:		G		
(incl. measures and docume	entation)		Life pha						Risk assessment		Date of last revision:		01/04/2020		
rk: aftersales service, erection and overhaul activities			AS: after	sales servic	e PB: pro	bability			= high risk, urgent need for action; action must be taken immediately.		Drawn up and revised annually by the industrial safety expert:	Michael Kreppol	I / Harald Görres	On:	01/04
nal category/persons: erection supervisors and erectors (leased staff and employees)			ER: erec		SV: sev	erity			= medium risk; devise an action plan and implement measures promptly.		Released by the head of department:	Wolfgang Braun		ln:	01/04
erection/overhaul of components for combustion and dry digestion systems			OH: over	rhaul				L	= low risk; action plan recommended.		Released by the board of directors:	Hans Peter Holl		In:	01/04
Potential hazards associated with tasks performed and description thereof	Ordinances/ regulations/	Hazard location/workplace	Life	phases	Acco	rding to MA	RTIN risk mat	atrix	Measures that can be taken to eliminate the hazard or reduce its probability and severity	Responsible	To be carried out	easures taken Carri	ed out	Result of measures taken Risk assessment	Re
	information	ļ	к	м он	PB	sv	Total R	Risk			(mark	with cross)		PB SV Total Risk	
zards related to work environment															
mate		•				i						į			
Non-compliance with prescribed room temperatures and air humidity levels (not possible due to construction site activities)	ASR 5 ASR 6	Entire site/plant area	х	х х	А	Е	AE	L -1	Wear protective clothing suitable for prevailing room temperatures and air humidity levels Make sure workers take sufficient breaks	Employee Employee		X Conti	nuously nuously	A E AE L	
Draughts (if induced draught fan is in operation) Inadequate ventilation due to closed plant doors	ArbStättV DGUV Vorschrift 6	Combustion system/boiler area Entire site/plant area	X	X X X X		Ē	AE	Ļ.	Make sure workers are not exposed to draughts (optimize function of induced draught fan, erect separation walls)	Operator/erection supervisor			ork begins	A E AE L A E AE L	
Exposure to heat and cold when working outdoors (under any weather conditions)	DGGV VOISCIIIIT O	Entire site/plant area	x	x x	Â	E	AE	L	!	Operator/erection supervisor	Continuously	X Conti	nuously	A E AE L	4
				i		-			Ensure adequate ventilation/fresh air supply, for example by opening gates and windows or using extraction facilities/fans						
		-				1		- 1	nstruct staff	Erection supervisor	Before work begins	X When w	ork begins		
nting	ArbStättV	Entire site/plant area		x x	В	В	ВВ	н -	Provide adequate lighting	Operator/erection supervisor		X When w	ork begins	E E EE L	
Inadequate lighting (no daylight during overhaul work), poor luminance distribution Dazzling caused by incorrectly positioned halogen lights or similar	DGUV Vorschrift 1 ASR 7	Entire site/plant area		х х	С	D	CD	М	Position lights and lamps such that they do not dazzle	Employee	Continuously	X Conti	nuously	E E EE L	
- There are no emergency and safety lights in parts of the site - Dazzling due to solar radiation	ASR 41	Entire site/plant area Entire site/plant area		X X X X	C	D D	CD CD	M M - I	Provide adequate emergency and safety lighting (especially in the vicinity of rescue and escape routes and in particularly hazardous workplaces).	Operator	Before work on site begins	X When work	on site begins	E E EE L	
				-				E	puip staff with flashlights where this is not possible, e.g. in the combustion system area hade workplace if necessary Frevent sun dazzie, e.g. by wearing sunglasses	Employee			nuously		
co constraints from one to and occurre routes		i				i		-	revent sun gazzie, e.g. by wearing sunglasses	Employee	Continuously	X Conti	nuousiy		
ce constraints/transport and escape routes - Restricted freedom of movement due to local conditions	ArbStättV ASR 10	Combustion system/boiler area		х х	A	A A	AA .	Н		Erection supervisor	Before work begins	X When w	ork begins	C C CC M	4
- Rescue, escape and transport routes do not exist, are difficult to access or poorly marked	ASR 17	Entire site/plant area		х х	A	А	AA	- /	Discuss possible escape routes before starting work (if freedom of movement is restricted during work) Allow enough space for rescue, escape and transport routes and mark them adequately	Operator	Before work on site begins	X When work	on site begins	C C CC M	
	DGUV Vorschrift 1 DGUV Informationen 208-010					ì		- 1	Keep escape routes and emergency exits clear of obstructions and do not narrow them Draw up an escape and rescue plan	Operator/employee Operator/health and safety coordinator	Before work on site begins	X When work	nuously on site begins		
	DGUV Vorschrift 68							-1	nstruct staff	Erection supervisor	Before work begins	X When w	ork begins		
onomics - Back, shoulder or neck pain due to incorrect arrangement of individual pieces of equipment such as desk,	ArbSchG Bildscharb)/	Office workplace	х	х х	D				Screen off workplaces adequately if working in draughty areas cannot be avoided	Everyone for themselves	Continuously	X Y Before u	ork hoci	E E EE L	
screen, height of machine/plant component, etc. - Lighting and room climate in office, container and at building site - Poor concentration due to noise	BildscharbV ArbStättV	Entire site/plant area Office, site/plant area		x x	E	E	EE DC	L fa	Equip offices/containers such that staff can adapt to local conditions, for example by providing adequate lighting, heating, air conditioning units, sanitary cilities, etc.	Superior/project manager	Before work begins	X Before w	ork begins	E E EE L E E EE L	
- Pour curicemation due to noise		Office, site/plant area	Х	х х	В	C	DC		Use ear protection if necessary	Everyone for themselves		x		e t EE L	
					1	1		- 1	Provide workplace with adequate lighting nstruct staff with regard to workplace ergonomics	Everyone for themselves Superior	Continuously Once a year		a year		
			1	i i		<u> </u>		In	spection of the offices at MARTIN's premises as part of industrial safety committee meetings	Industrial safety committee team	Continuously	X			_
						į									
sical stress/heavy work															
vy dynamic work (dynamic whole-body work) - Heavy and dynamic whole-body work when handling grate surface elements (performed temporarily)	BetrSichV	Combustion system area		х х	С	С	CC	М		Erection supervisor	Before work begins	X When w	ork begins	C C CC M	
Use of personal protective equipment Work in strenuous climatic conditions	DGUV Information 208-006		X	X X X X	C A	E	CE AE	L -1	Keep work requiring large groups of muscles (arm, leg and torso muscles) to the minimum absolutely necessary (use conveyor belt) Make sure workers take short breaks when performing physical work in strenuous climatic conditions	Erection supervisor	Continuously	X Conti	nuously	C E CE L A E AE L	
								- 1	Make sure workers take sufficient breaks when working with respiratory equipment Ensure that individual workers rotate tasks if possible	Erection supervisor Erection supervisor			nuously nuously		
						1			Use lifting equipment/conveyor belt if required nstruct staff	Erection supervisor Erection supervisor		X When w	ork begins ork begins		
sided dynamic work	RetrSichV														
- Handling of grate bars	DGUV Information 208-006	Combustion system area		х х	С	С	cc	М - 1	Make sure workers take short breaks when performing physical work in strenuous climatic conditions Make sure workers take sufficient breaks when working with respiratory equipment	Employee Erection supervisor		X Conti X Conti	nuously nuously	C C CC M	_
						1		- 1	Make sure that individual workers rotate tasks if possible instruct staff	Erection supervisor	Continuously	X Conti	nuously		
ic work						1		- '	INSU UCE SIGN	Erection supervisor	Before work begins	A When w	ork begins		
- Forced posture due to space constraints when performing welding/installation work in the undergrate hopper, discharger, feeder siftings removal system, etc.	DGUV Information 208-006	Combustion system area		х х	A	Е	AE	L -	Avoid performing static work without changing posture Avoid tasks involving strong bending or twisting of the torso	Employee Employee			nuously nuously	A E AE L	
uischarger, reduct sittings terroval system, etc.	BetrSichV	ļ.				1		- 1	Wake sure that workers take sufficient breaks Ensure that individual workers rotate tasks if possible	Erection supervisor	Continuously	X Conti	nuously nuously		
		•				-			Optimize workplace, equipment, etc.	Erection supervisor Erection supervisor			ork begins		
		į				1		- 1	Provide auxiliary and body support equipment such as knee pads, supports, etc.	Erection supervisor			ork begins		
								- 1	Change posture, e.g. alternate between sitting and standing nstruct staff	Employee Erection supervisor			nuously ork begins		
bination of static and dynamic work						1									
 Handling weights of 20 kg and above (e.g. grate surface elements = 20 to 35 kg) during dismantling and installation work (twisting/bending the torso, turning the torso sideways) 	DGUV Information 208-006 BetrSichV	Combustion system area		х х	С	С	cc	- 1	rwolve other persons Work more slowly	Erection supervisor Employee	If required	X If re	quired quired	C C CC M	
		•						- 1	Reduce distances over which heavy parts have to be carried Ensure that individual workers rotate tasks if possible	Erection supervisor Erection supervisor	Continuously	X Conti	ork begins nuously		
		<u> </u>				1		- /	Make sure that workers take sufficient breaks Avoid tasks involving strong bending or twisting of the torso	Erection supervisor Employee	Continuously	X Conti	nuously nuously		
				:				- 1	nstruct staff	Erection supervisor			ork begins	1	
								- I	Regular medical check-ups of the musculoskeletal system (G46); not absolutely necessary for MARTIN employees but check-ups are performed at the piloyees' request. This type of check-up is recommended for leased workers.	Industrial safety expert	Before work on site begins	X When work	on site begins		
				-											-
ception; handling of equipment															
- Warning signals in the furnace/digester/vessels are difficult to hear	BetrSichV	Working area	Х	х х	E	Α	EA .	- 1	Employees outside the combustion system area who can hear the warning signal must inform people working inside said area immediately	Employee			nuously	E C EC L	4
pe of perception - Not applicable					1	į		-1	nstruct staff	Erection supervisor	Before work begins	X When w	ork begins		
culty in handling equipment				i											
- Not applicable			+			1									+
er hazards															
itable personal protective equipment - Improper use of personal protective equipment Pers	sonal protective equipment, operating instruction	ns Entire site/plant area	Х	х х	D	Α	DA	Н -1	nstruct staff	Erection supervisor	Before work begins	X When w	ork begins	E E EE L	
	DGUV Vorschrift 1 DGUV Vorschrift 6	•				1						!			
	DGUV Regel 112-189 DGUV Regel 112-201				1	-						•			
exposure - Skin dehydrated by dust or skin-irritating substances	GefStoffV	Entire site/plant area		х х	A	E	AE	L		Site management	Before work begins	X When w	ork begins	A E AE L	
Skin may become severely soiled (e.g. during overhauls) Skin may be exposed to irritating materials, oils and greases	DGUV Vorschrift 6 DGUV Regel 112-195	Entire site/plant area Entire site/plant area		X X	A	E	AE AE	L -1	Provide suitable skin protection, cleaning and care products for employees Wear suitable personal protective equipment, protective overalls, etc.	Employee	Continuously	X Conti	nuously	A E AE L	
- Skin is exposed to abrasive materials		Entire site/plant area		х х	A	E	AE	L -1	nstruct staff	Erection supervisor	Before work begins	X When w	ork begins	A E AE L	
ons - Inattentiveness towards other persons working on site	DGUV Vorschrift 6	Entire site/plant area	х	х х	В	С	BC		Only assign suitable staff to individual tasks	Erection supervisor		X When work	on site begins	E C EC L	
Lack of safety awareness (colleagues, other subcontractors/lot contractors) Character traits	DGUV Vorschrift 38 BausStellV	Entire site/plant area Entire site/plant area	X	X X X X	В	C	BC BC		Coordinate activities of different lots, suppliers, working groups, etc. Make sure suitable protective equipment is available for individual workplaces	Site manager/operator Erection supervisor/operator	Continuously Before work begins	X Conti	nuously ork begins	E C EC L	
	DGUV Vorschrift 1							- 1	nstruct employees concerning the tasks to be performed and the associated hazards and inform them about the work coordinated with third parties	Erection supervisor			ork begins		
						-		- 0		rection and overhaul/project management departments, erecti			on site begins		
als - Due to unknown waste composition: infections, irritations, poisoning, injuries	TierSG	Combustion system/boiler area	х	х х	E	С	EC	L -	Avoid contact (skin, eyes, inhalation) if possible	Employee	Continuously	X Conti	nuously	E C EC L	
	IfSG		1 1		1	Ì		- 1	Before work begins, the working areas must be cleaned to the extent possible and waste and bottom ash must be removed	Operator	Before work on site begins	X When work	on site begins		
					1	-		- 1	Wear suitable protective clothing (dust masks, protective gloves, safety footwear with anti-puncture steel sole, etc.)	Employee			nuously		
						1		- (Observe general hygiene rules nstruct staff	Employee Erection supervisor			nuously ork begins		
ts			1			1						:			
- Due to unknown waste composition: infections, irritations, poisoning, injuries	Guv-Si 8018	Combustion system, boiler, biogas pla	ant X	х х	E	С	EC	L	in the second control of the second control	Employee	Continuously	X Conti	nuously	E C EC L	
Due to distribute waste composition. Interactions, minuscrip, potenting, maries	VSG 1.1		- 1 - 1	3		1		- 1	Wear suitable protective clothing (dust masks, protective gloves, safety footwear with anti-puncture steel sole, etc.)		Continuously	A Conti	ildoddiy		

Risk assessment pursuant to sections 5 and 6 of the G (incl. measures and docum		y at Work Act				Legend		Document: Index no.:		QM V 045-KMR G			
	Cittation)		Life phases			Risk assessment		Date of last revision:		01/04/2020			
ork: aftersales service, erection and overhaul activities			AS: aftersales serv	vice PB: probability		H = high risk, urgent need for action; action must be taken immediately.		Drawn up and revised annually by the industrial safe	ety expert:	Michael Kreppold / Harald Görre	S	On:	01/04/2020
ional category/persons: erection supervisors and erectors (leased staff and employees)			ER: erection	SV: severity		M = medium risk; devise an action plan and implement measures promptly.		Released by the head of department:		Wolfgang Braun		In:	01/04/2020
erection/overhaul of components for combustion and dry digestion systems			OH: overhaul			L = low risk; action plan recommended.		Released by the board of directors:		Hans Peter Holl		In:	01/04/2020
	Ordinances/		l ifa abassa						Measures		Result of meas	ıres taken	Refer to note
Potential hazards associated with tasks performed and description thereof	regulations/ information	Hazard location/workplace	Life phases	According to M.			Responsible	To be carried out	taken (mark with cross)	Carried out	Risk asses		in appendix
ork in confined engage and vegetals		<u> </u>	K M O	H PB SV	Total Ris				(mark with cross)		PB SV	otal Risi	
ork in confined spaces and vessels - Work performed in vessels and confined spaces, e.g. installation work in the undergrate compartment													
below the combustion grate, in the areas between the air preheater tube banks, in the furnace area and in												/ /	
Due to insufficient oxygen supply (< 20.9 %) Due to psychological stress such as space constraints, great heights in vessels or ducts		Combustion system, boiler, vessels Combustion system, boiler, vessels	X X	C D A	DA H DD M DD M	If necessary, have hopper/area in front of access opening cleaned Measure oxygen content before entering hazard zone (safe oxygen content must be ensured)	Erection supervisor Customer	When work begins When work begins	X X	When work begins When work begins	E E D D	EE L	
- Due to access openings that are too narrow		Combustion system, boiler, vessels Combustion system, boiler, vessels	X X X	(D D	DD M	- Provide adequate lighting - Ensure sufficient fresh air supply	Employee	Continuously	x x	Continuously	D D	DD M	9
- Bumping hazards - Due to insufficient fall protection equipment and inadequate rescue procedures/rescue routes		 Combustion system, boiler, vessels 	X X X	K A A	AA H	- Use suitable personal protective equipment	Employee Employee	Continuously Continuously	Х	Continuously Continuously	c c	CC M	3, 9
- Live electrical equipment, systems or plant components		Combustion system, boiler, vessels	X X X	C A	CA H	- Only assign suitable staff to work under space constraints (ask staff whether they suffer from claustrophobia before work begins)	Erection supervisor	When work begins	х	When work begins	E B	EB M	9
						Provide safe points of access and attachment. Organize personal protective equipment suited to local conditions. Before work begins, train staff on how to use rescue PPE, respiratory equipment and fire extinguishers and on how to carry out specific first aid.	Erection supervisor Erection supervisor	When work begins When work begins	X X	When work begins When work begins		1	
						reasures				1			
						- A flagman (second person) positioned outside the danger zone keeps in contact with the person working in the danger zone (eye contact / walkie-talki and takes appropriate action in case of emergency. Discuss emergency procedure before commencement of work. Provide suitable emergency	ie) Erection supervisor	Continuously	Х	Continuously			
						systems/personal protective equipment		ļ					
						Only use electrical equipment fitted with safety separation or safety extra-low voltage devices or protected by automatic power cut-out.	Employee	Continuously	Х	Continuously		1	
						- Instruct staff in accordance with operating instructions	Erection supervisor	When work begins	х	When work begins			
		!							1	!	+ : :	-:-	
rchological stress										:			
ks to be performed		Entire cite/plant	Y .		· · ·						E -	EE .	
- Inadequate information - Inadequate communication		Entire site/plant area Entire site/plant area	X X X	< c c	CC M	- Inform employees adequately on the tasks they have to perform so that they can act/take decisions accordingly	Erection supervisor	Before work begins	x	When work begins	E E	EE L	
- Unfavourable working environment, resulting in stress, mental exhaustion/tiredness		Entire site/plant area	x x x	с с	CC M	Consult adequately with other lot contractors, suppliers, etc. Give comprehensible work instructions (be aware of possible language barriers)	Site manager/operator Erection supervisor	Before work begins Before work begins	X X	When work begins When work begins	E E	EE L	
		i				Ensure favourable working conditions to the extent possible (adequate lighting, noise protection, pleasant climate, etc.)	Site manager/operator	Before work begins	х	When work begins		- 1	
						- Instruct employees with regards to the tasks to be performed and the associated hazards and inform them about the work coordinated with third parties	Erection supervisor	Before work begins	х	When work begins			
organization - Unclear responsibilities							98			:			
- Unclear responsibilities - Inadequate/no instruction		Combustion system/boiler area Combustion system/boiler area	X X X		CC M	- Take health and safety aspects into account when defining and planning work processes - Define responsibilities	Erection supervisor Erection supervisor	Before work begins Before work begins	X X	When work begins When work begins	E E	EE L	
- Tight deadlines, resulting in stress, mental exhaustion/tiredness		Combustion system/boiler area	x x x	с с	CC M	- Assign tasks and responsibilities to suitable employees only	Erection supervisor	Before work begins	х	When work begins	E E	EE L	
Tight detailled, resulting in street, mental existence research						Avoid time pressure by organizing work well, providing enough personnel and enabling staff to work without interruptions Train employees on how to handle plant components, machines, equipment, etc.	Operator/erection supervisor/project management department Supplier	Before work on site begins	X	When work on site begins			
						- I rain employees on now to nancie plant components, machines, equipment, etc Instruct staff	Supplier Erection supervisor	Before work on site begins Before work begins	X X	When work on site begins When work begins		- 1	
ial conditions - Poor leadership										:			
- Poor leadership - Poor teamwork		Combustion system/boiler area Combustion system/boiler area	X X X	C C C		- Lead staff in such a way that conflicts between superiors and staff are avoided and deploy superiors with adequate leadership skills	Project management	Before work on site begins	х	When work on site begins	E E	EE L	
1 SOLIGINATION		Combasion System Social area	^ ^ ^			One superior should be responsible for a reasonable number of employees to ensure they can be taken care of in an adequate manner.	Project management department/erection supervisor	Before work on site begins	х	When work on site begins			
						Avoid bullying, arguments, recriminations, coordination problems	Everyone	Continuously	Х	Continuously		-	
anization		:		+ :	: :				- 	:	+ : :	-	
processes										!			
- Inadequate planning of work processes	BetrSichV	Combustion system/boiler area	x x	с с	CC M	- Plan work flows such that protection of workers' health is ensured	Erection supervisor/operator	Before work on site begins	x	When work on site begins	E E	EE L	
	ArbSchG						Project management department/erection supervisor/operator	Before work on site begins	×	When work on site begins	-	į	
						- Take ergonomic aspects into account when planning workplaces, equipment, work organization, work procedures and tasks	Project management department/erection supervisor/operator Erection supervisor	Before work on site begins Before work begins	×	When work on site begins When work begins		1	
ing hours/night shifts - Duration of working hours	1170					I HON OUT VIAIN	Erection Supervisor	Balara Walk Bagina		Wildir Work Dogillo			
- Duration or working nours - Shift/night work	ArbZG MuSchG	Combustion system/boiler area Combustion system/boiler area	* × × ×	C C C	CC M		Erection supervisor/site manager	Continuously	х	Continuously	E E C	CC M	7
						Observe statutory breaks Take additional stress for employees due to shift work into account	Erection supervisor/site manager Erection supervisor/site manager	Continuously Continuously	X X	Continuously Continuously		į	
alification						- Instruct staff	Erection supervisor	Before work begins	х	When work begins		i	
- Lack of relevant qualifications	ArbSchG DGUV Vorschrift 6	Combustion system/boiler area	X X X	с с	CC M	Assign tasks only to personnel with relevant qualifications Train staff additionally for specific tasks	Project management Project management department/supplier	Before work on site begins	X X	When work on site begins	E E	EE L	
	DGOV VOISCHIIL 6						Project management department/supplier Erection supervisor	Continuously Continuously	x	Continuously		1	
						- Make sure that staff do not overestimate their skills so that no third parties are put at risk		-					
ruction - Inadequate/no instruction	BetrSichV	Combustion system/boiler area	x x x	с с с	CC M					<u> </u>	E E	EE U	
	ArbSchG DGUV Vorschrift 1					- Before starting work/at least every 4 weeks, inform erectors about workplace-related hazards and instruct them on how to eliminate those hazards	Project management department/erection supervisor Erection supervisor	Before work begins Before work begins	X X	When work begins When work begins			
	DGUV Information 211-005					- Employees must always be instructed before starting a new task - The installation instructions drawn up by the design department and the relevant site regulations must be taken into account when instructing staff	Erection supervisor/operator	Before work begins	x	When work begins			
ponsibility						- Take hazards resulting from ambient conditions into account	Erection supervisor/operator	Before work begins	х	When work begins		- 1	
		•				- Convene toolbox meetings if there are specific hazards or problems on site					-		
- Unclear responsibilities	ArbSchG DGUV Vorschrift 1	Combustion system/boiler area	X X	K E E	EE L	- Clearly define responsibilities	Erection supervisor	Before work begins	х	When work begins	E E	EE L	
	DGUV Information 211-005	•				- The responsible persons acting on behalf of the individual lot contractors and suppliers must jointly organize and coordinate work	Site manager/operator	Before work on site begins	X	When work on site begins	_	į	
ization, general - Inadequate organization	BaustellV					The operator must appoint a health and safety coordinator	Operator	Before work on site begins	х	When work on site begins	1 3 3		
- Inadequate organization - Accident when working alone	ArbSchG BetrSichV	Combustion system/boiler area Entire site/plant area	X X X	C E C	EC L EB M	- Verify that the measures taken are effective	Project management department/industrial safety expert/board of director Project management department/erection supervisor	Continuously	X X	Continuously	E E	EE L	
	ArbStättV DGUV Vorschrift 1					- Identify tests/inspections required for equipment used and check their implementation	Erection supervisor/supplier	Continuously	X	Continuously	-		
	DOG VOIDUINI I					- Commission companies/suppliers responsible for checking and testing equipment The perturbation instructions drawn up by the design department and the relevant effects requisitions must be taken into account when instruction staff.	Project management department	Continuously	X X	Continuously When work begins	_	i	
		1				The installation instructions drawn up by the design department and the relevant site regulations must be taken into account when instructing staff. Take prescribed plans (e.g. health and safety plan) into account	Site manager	Before work begins Before work on site begins	X	When work on site begins		į	
		•				- Comply with fire safety regulations	Site manager	Before work on site begins	х	When work on site begins	-	į	
		•				- Inform staff about first aid, first-aid contact persons, emergency phone numbers, names of first aiders on site, how first aid is organized at the plant	Erection supervisor/site manager	Before work begins	x	When work begins			
						Discuss rescue procedure and display relevant documents in public areas A sufficient number of first aiders must be on site	Erection supervisor/site manager Erection supervisor/site manager	Before work begins Before work begins	X X	When work begins When work begins	-		
							Site manager/operator	Before work on site begins	×	When work on site begins			
		•				Draw up, discuss and display an alarm plan and define an assembly point for emergencies. Inform staff about how an emergencyffire must be reported.	Erection supervisor/site manager	Before work on site begins	х	When work on site begins		- 1	
						 It must be ensured that the capacities of the sanitary facilities, changing rooms, etc. are sufficient Do not work alone. For example, do not eliminate defects alone after hours if this involves serious risks such as falling from a height, electric shock, etc. 	Project management department/site manager stc. Everyone	Before work on site begins Continuously	X X	When work on site begins Continuously	-	- 1	
		•				- Instruct staff	Erection supervisor/site manager	Before work begins	x	When work begins	-		
		:	<u> </u>		<u> </u>				1		<u> </u>	<u> </u>	
						Appendix to risk assessment "QM V045-KMR"							
A residual risk (mechanical and electrical) to employees/leased staff working with	angle grinders/saws cannot be excluded despite	appropriate instruction because this depend	ds on the behaviour o	f the persons performing	he work.								
						cannot always be guaranteed, e.g. for process-related/technical reasons such as work in the undergrate hopper.							
3 A residual risk due to rescue, escape and transport routes that are difficult to acce													
4 A residual risk due to temporary heavy and dynamic whole-body work (carried out	when handling grate surface elements) cannot be	excluded despite the measures described	above because this d	depends on the physical c	ondition of the em	ployees/leased staff performing the work.							
5 A residual risk due to the handling of grate bars cannot be excluded despite the m	easures described above because this depends of	on the physical condition of the employees/le	eased staff performing	g the work.									
6 A residual risk during dismantling and installation of the grate surface (weight: 20	to 35 kg) cannot be excluded despite the measure	es described above because this depends o	n the physical conditi	ion of the employees/leas	ed staff performing	the work.							
7 Shift/night work may have to be performed (usually to meet customer requirement													
					condition can tr								
8 Some character traits of individual MARTIN employees /leased workers will alway	s pose a residual risk even if the employees are in	structed adequately and seem to be suitab	le for the tasks to whi	ich they are assigned.									

9 There is a residual risk despite the measures suggested (technical, organizational and behaviour-related) because human error can never be excluded (even when deploying qualified staff).

• If she can provide a medical certificate stating that her or her child's health or life will be at risk if she continues to work;
• in the last is it weeks before birth, unless she expressly declares that the is prepared to work; the declaration can be withdrawn any time;
• if the tasks to be performed involves constructive or work that would expose her to the harmful effects of hazardous substances or radiation, dust, gases, vepours, heat, cold, humidity, vibrations or noise;
• if she has to regularly (occasionally) lift, move or transport loads of more than five (explicit places) in the last or regularly (occasionally) lift, move or transport loads of more than five (explicit places) in the last or regularly (occasionally) lift, move or transport loads of more than five (explicit places) in the last or regularly (occasionally) lift, move or transport loads of more than five (explicit places) in the last or regularly (occasionally) lift, move or transport loads or five more than for the growth or the last or than the last or regularly (occasionally) lift, move or the last or regularly (occasionally) lift, move or the last or regularly (occasionally) lift, move or the last or regularly (occasionally) lift, move or the last or regularly (occasionally) lift, move or the last or regularly (occasionally) lift, move or transport loads or the last or regularly (occasionally) lift, move or the last or regularly (occasionally) lift, move or transport loads or regularly (occasionally) lift, move or transport loads or regularly (occasionally) lift, move or transport loads or regularly (occasionally) lift, move or transport loads or regularly occasionally lift, move or transport loads or regularly occasionally lift, move or transport lift, and the last or regularly occasionally lift, move or transport lift, and the last or regularly occasionally lift, move or transport lift, and the last or regularly lift, occasionally lift, move or transport lift, and the last or regularly lift, move or transport lift, and the last or

For further details on the exemptions described above, please refer to the law on maternity leave.

A building site is a place in which a building site rested, modified or demolished. The building site consists of the areas designated for the actual building site can be divided into several excisions and/or lots. Since various kinds of killed manual work are performed at building sites, the staff deployed is exposed to specific hazards, e.g. those associated with: work performed at beights, various kinds of lifting work, working in part-veryonel with other lot contractors/suppliers under species constraints, precalling weather conditions, etc.). This means that building sites are plants that have not been completed and that hazards arise because the safety systems are not fully in place. Consequently, specific health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with the plant operator, health and safety-related precautions have to be taken in consultation with

The tasks performed at building sites/the workplace of erection supervisors are described below. The scope of work is limited to installation/dismandling, aftersales service, erection and overhaul staff are on site for extended periods of time to perform this work. They are experienced to building at the building at the building site throughout their stay. As the plants in question are abuilding site in the score of t