

DOCUMENTED CHANGE REQUEST

Document Title:	
Date Modified:	Revision: V1.1.1
Revision Note:	
IFS Document #:	Alt Doc #:

PROJECT INFORMATION

Proposal Number:	QXQ1K1017B_V1.5
Project Number:	P4CZ009933
Project Name:	Personal Safety Interlock System
Project Manager:	Stephan Richter / Georg Näger

CHANGE INFORMATION

DCR#: 07	Date: 26. Nov 2019
Subject: DCR007_AddStackLights R01	Initiated By: Eli Beam

Classification of Request:

<input type="checkbox"/>	Functional Change	<input type="checkbox"/>	Documentation Error
<input type="checkbox"/>	Clarification	<input type="checkbox"/>	Operational Suggestion
<input checked="" type="checkbox"/>	Final Design Detail	<input checked="" type="checkbox"/>	Schedule Change
<input type="checkbox"/>	Other		

Recommended Priority: High Medium Low










Areas Impacted:

<input checked="" type="checkbox"/>	Hardware & Engineering	<input type="checkbox"/>	Software & Engineering
<input checked="" type="checkbox"/>	Drafting	<input checked="" type="checkbox"/>	Assembly
<input type="checkbox"/>	Other:		

Description of Change		
Item No.	Item Description	Price
	<p>Reason of the additional request:</p> <ul style="list-style-type: none"> ➤ Eli requested to have additional stack lights and sounder indicating the room status when running experiments next to the U-doors (Material doors) in E1, E2, E3; E4; E6, L4c . Originally, no specific requirements have been named or were known. ➤ The new requirement requires additional material, installation, drawing updates and project management. <p>Subject of the change:</p> <ul style="list-style-type: none"> ➤ This DCR requires additional HW to be installed <ul style="list-style-type: none"> ○ The delivery of RA material (ABB material will be provided free of cost by Eli) <ul style="list-style-type: none"> ▪ Installation on site (2 electricians 1d) 3x 1734-OB8S – 8 Channel Safety Sourcing Output Module 	

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	<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ 6x 1734-TOP – Point I/O Terminal Base <ul style="list-style-type: none"> ○ ○ Expenses ○ Update of drawings ○ Supervision of subcontractor ○ Project management & Admin ➤ As discussed today, below the list of parts we use for the U-door indication on the laser floor that can be also used for E1: ➤ All from ABB: <ul style="list-style-type: none"> ○ KL70-305R ○ KL70-305G ○ KT70-1002 ○ KA70-1001 ○ KA70-1031 ○ KB70-3001 ➤ The light tower works in the following way (Low Power = Alignment, No Emission = Clear): ➤ The sounder (part number KB70-3001) is set to pulsating tone and is only used during the transition from Clear to Alignment to warn of the change of state. 										
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; border-right: 1px solid black; padding: 5px;">S1 – NO EMISSION</td> <td style="width: 33%; border-right: 1px solid black; padding: 5px;">S1 – LOW POWER</td> <td style="width: 33%; padding: 5px;">S1 – HIGH POWER</td> </tr> <tr> <td style="text-align: center; padding: 10px 0 10px 20px;">  </td> <td style="text-align: center; padding: 10px 0 10px 20px;">  </td> <td style="text-align: center; padding: 10px 0 10px 20px;">  </td> </tr> <tr> <td style="text-align: center; padding: 5px 0 5px 20px;">Access permitted</td> <td style="text-align: center; padding: 5px 0 5px 20px;">Access prohibited</td> <td style="text-align: center; padding: 5px 0 5px 20px;">Access prohibited</td> </tr> </table>	S1 – NO EMISSION	S1 – LOW POWER	S1 – HIGH POWER				Access permitted	Access prohibited	Access prohibited	
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Access permitted	Access prohibited	Access prohibited									
	<ul style="list-style-type: none"> ○ <p>Affected areas:</p> <ul style="list-style-type: none"> ➤ E1E1; E2; E3; E4; E6; L4c <p>Required customer support</p> <ul style="list-style-type: none"> ➤ Customer to provide the ABB material (stack lights) as listed above ➤ Installation work requires drilling holes in clean rooms. This requires support from ELI (as before) including tools and personnel. ➤ Rest: As for main project. <p>RFQ received:</p>										

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	<ul style="list-style-type: none"> ➤ As per request by Eli Beam <p><u>Proposal includes:</u></p> <p><u>A/ Material</u></p> <ul style="list-style-type: none"> ➤ 3x 1734-OB8S – 8 Channel Safety Sourcing Output Module ➤ 6x 1734-TOP – Point I/O Terminal Base ➤ ABB material will be provided by ELI as listed above <p><u>B/Services</u></p> <ul style="list-style-type: none"> ➤ Project management and administration ➤ Installation on site ➤ Drawings update <p><u>Proposal does not include:</u></p> <ul style="list-style-type: none"> ➤ Modification and changes of another parts then described ➤ Modification and changes of another part of technologies 																																																							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Item</th> <th style="width: 50%;">Description</th> <th style="width: 15%;">Labour (days/hours)</th> <th style="width: 15%;">Price Rate</th> <th style="width: 10%;">Sub Total cost</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Rockwell Material (see BOM above)</td> <td>1,0</td> <td>889 €</td> <td>889 €</td> </tr> <tr> <td>2</td> <td>Installation on site (1d x 2 electricians, incl. Expenses)</td> <td>1,0</td> <td>810 €</td> <td>810 €</td> </tr> <tr> <td>3</td> <td>Update of drawings</td> <td>16,0</td> <td>53 €</td> <td>848 €</td> </tr> <tr> <td>4</td> <td>PM & Admin (included above)</td> <td>4</td> <td>162 €</td> <td>648 €</td> </tr> <tr> <td colspan="4" style="text-align: right;">Total Cost</td> <td>3.195 €</td> </tr> <tr> <td colspan="4" style="text-align: right;">One off discount 5%</td> <td>160 €</td> </tr> <tr> <td colspan="4"></td> <td>3.035 €</td> </tr> <tr style="background-color: #f2f2f2;"> <td colspan="4">Notes:</td> <td style="color: red;">excl. VAT</td> </tr> <tr> <td colspan="2">Payment milestones</td> <td style="text-align: center;">%</td> <td></td> <td style="text-align: center;">EUR</td> </tr> <tr> <td></td> <td>After delivery and assembly of locks</td> <td style="text-align: center;">100%</td> <td></td> <td style="text-align: center;">3.035 €</td> </tr> </tbody> </table>	Item	Description	Labour (days/hours)	Price Rate	Sub Total cost	1	Rockwell Material (see BOM above)	1,0	889 €	889 €	2	Installation on site (1d x 2 electricians, incl. Expenses)	1,0	810 €	810 €	3	Update of drawings	16,0	53 €	848 €	4	PM & Admin (included above)	4	162 €	648 €	Total Cost				3.195 €	One off discount 5%				160 €					3.035 €	Notes:				excl. VAT	Payment milestones		%		EUR		After delivery and assembly of locks	100%		3.035 €
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Project Impact Estimate

Lost Time:		Labor	X
Schedule:	X	Expenses	
Other:		Material	X

<p>Offer Expires 30 Days from Date of Record</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Rejected</p> <p><input type="checkbox"/> Revise as Noted & Re-submit</p> <p>Customer Approval: _____ Date: _____</p>	<p>DCR Value 3.035 €</p> <p>Customer Notes:</p> <p style="text-align: right;">Date: 26-NOV-19</p>
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