

Annex 1 - BINDING PARAMETERS OF THE PROJECT

1. The name of the Project

Development of Beta-Titanium based individual implants produced by Additive Manufacturing processes

2. The start date and end date of the Project

01/2020 – 12/2022

3. The aim of the Project

The aim of the project is to design bio-implants from certified titanium beta alloys Ti-13Nb-13Zr (ASTM F1713) and Ti-12Mo-6Zr-2Fe (ASTM F1813) using 3D printing technologies. The materials are not commonly available in powder form for 3D printing and there are no deposition parameters available for 3D printing for these materials. A great advantage of these alloys over experimental alloys solved in other research projects is that they are approved for bioimplantation and therefore significantly reduce time to market. Given the extensive experience of research organizations in the field of biomedical applications, it is legitimate to expect the results to be achieved and their successful commercialization after the end of the project.

4. The main solver of the Project

Petr Bernard DiS.

5. The results of the Project

<i>identification number</i> TM01000061-V7	<i>The name of result</i> ██████
<i>Description of result</i> ██████ .	
<i>Type of result according to RIV database structure</i> Ztech – Certified technology	

<i>identification number</i> TM01000061-V3	<i>The name of result</i> ██████
<i>Description of result</i> ██████	
<i>Type of result according to RIV database structure</i> Fuzit – Utility model	

<i>identification number</i> TM01000061-V8	<i>The name of result</i> ██████
<i>Description of result</i>	

<p>Type of result according to RIV database structure Ztech – Certified technology</p>
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<p>identification number TM01000061-V9</p>	<p>The name of result [REDACTED]</p>
<p>Description of result [REDACTED]</p>	
<p>Type of result according to RIV database structure Fuzit – utility model</p>	

6. Identification data of participants

Main recipient – (P) MEDIN, a.s.

<p>Identification number 43378030</p>	<p>Tax identification number CZ43378030</p>	<p>Company name MEDIN, a.s.</p>
<p>Type of organization Large enterprise</p>		

Other participant – (D) - České vysoké učení technické v Praze

<p>Identification number 68407700</p>	<p>Tax identification number CZ68407700</p>	<p>Company name České vysoké učení technické v Praze</p>
<p>Type of organization Research organization</p>		

Other participant – (D) – COMTES FHT a.s.

<p>Identification number 26316919</p>	<p>Tax identification number CZ26316919</p>	<p>Company name COMTES FHT a.s.</p>
<p>Type of organization Research organization</p>		

Other participant – (D) – ProSpon, spol. s r. o.

<p>Identification number 45145466</p>	<p>Tax identification number CZ45145466</p>	<p>Company name ProSpon, spol. s r. o.</p>
<p>Type of organization Small enterprise</p>		

Foreign partner (Z) – GreenDenTech Co., Ltd.

<p>Identification number 2292999</p>	<p>Tax identification number 24292999</p>	<p>Company name GreenDenTech Co., Ltd.</p>
<p>Type of organization Middle enterprise</p>		

7. Costs (in Czech Crowns)

The Project

Item/Year	2020	2021	2022	Total maximal amount
Total project costs	6 926 072	11 168 088	10 940 064	29 034 224
Amount of subsidy	5 083 000	8 195 000	8 075 000	21 353 000
Maximal % of subsidy				74 %

Main recipient – (P) MEDIN, a. s.

Item/Year	2020	2021	2022	Total maximal amount
Personal costs				
Subcontracting/services				
Other direct costs				
Indirect costs/overhead				
Total project costs				
Amount of subsidy				
Method of overhead				Full cost

Other participant – (D) - České vysoké učení technické v Praze

Item/Year	2020	2021	2022	Total maximal amount
Personal costs				
Subcontracting/services				
Other direct costs				
Indirect costs/overhead				
Total project costs				
Amount of subsidy				
Method of overhead				Flat rate 25 %

Other participant – (D) – COMTES FHT a.s.

Item/Year	2020	2021	2022	Total maximal amount
Personal costs				
Subcontracting/services				
Other direct costs				
Indirect costs/overhead				
Total project costs				
Amount of subsidy				
Method of overhead				Full cost

Other participant – (D) – ProSpon, spol. s r. o.

Item/Year	2020	2021	2022	Total maximal amount
Personal costs				
Subcontracting/services				
Other direct costs				
Indirect costs/overhead				
Total project costs				
Amount of subsidy				
Method of overhead				Full cost

Foreign partner (Z) – GreenDenTech Co., Ltd.

Item/Year	2020	2021	2022	Total maximal amount
Total project costs	7 898 176	8 795 696	8 369 374	25 063 246
Amount of subsidy	3 949 088	4 397 848	4 184 687	12 531 623