Matrix of competences - International ZIM Innovation Network INOCEM

No.	partner	technology: investment casting	vacuum casting	sand casting	continuous casting	Rapid Shell Casting	wax master pattern	3D-Druck: FDM	SLA	DLP	SLM	SLS	Binder Jet	Material Jet	EBM	foaming	CNC-machining	CAD-design	Reverse-Engineering	heat treatment	surface finishing	laser ablation	simulation	material: steel	gold	silver	bronze	brass	platinum	nickel	cast iron	aluminum	titanium	zinc	copper	magnesium	carbon	siliciumcarbid	plastic	other information / remarks
1	ICM-Institut Chemnitzer Maschinen- und Anlagenbau e.V.																X	X					X																	T&D
2	ICM GmbH Innovation + Cooperation für den Maschinenbau																X					X																		R&D, technology transfer
3	Schuebel GmbH PrimeParts	X	X	X					X								X	X						X			X	X				X		X	X	X			X	
4	ENA - Elektrotechnologien und Anlagenbau GmbH																			(X)																				furnace construction, advice on furnaces & heating methods
5	Argomotive GmbH																						X																	drive technologies, combustion engines
6	Kessel Feinguss GmbH	X					X		X					X				X						X	X	X	X	X	X			X		X		X				
7	PORTEC GmbH	X	X			(X)	X	X	X				X				X	X	X	X	X	X	X	(X)			(X)	X			(X)	X		X		(X)			X	development service, R&D projects, painting, anodizing, powder coating
8	wp-TEC GmbH																X	X				X		X								X								X	consulting
9	ISAP AG							X										X					X																	consulting, IT-support
10	NRU GmbH	X	X				X		X		X	X					X	X	X	X				X						X	X	X	X	X	X					casting of prototypes
11	Otto-von-Guericke-University Magdeburg							X									X	X		X			X									X								R&D, QA, several casting CFD simualtion (e.g. mold filling, solidifictaion)
12	Steinbeis Innovation gGmbH (associated partner)																																							R&D, consulting, further training
13	non ferrum GmbH (foreign partner)				X																											X				X				powder manufacturing
14	Fraunhofer-Project-Center at Opole University of Technology (foreign partner and abroad coordinator)																X	X			X		X	X								X							X	R&D
15	Science and Technology Park in Opole LTD. (foreign partner)																																								
16	ERG Materials and Aerospace Corp. (foreign partner)															X	X			X					X	X			X	X		X			X		X	X		casting of open cellular metal foams
17	Fraunhofer-IWU (coordinator)	X		X	X		X	X			X			X		X		X	X	X	X	X	X	X		(X)	X			(X)		X	(X)	X	X			X	casting, foaming, galvanising, R&D

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