

Foundation DiCam & 3D Print Lab LTD



3D Print Lab

Advice, Experiment and Production centre of 3D printing plastic & metal

Problems within the market

- **Small en medium sized companies and schools will not start with additive manufacturing because:**
- **No financial resources to make a high investment**
- **No willing to take a high risk**
- **Not be capable to build there own knowledge of additive manufacturing**

Mission

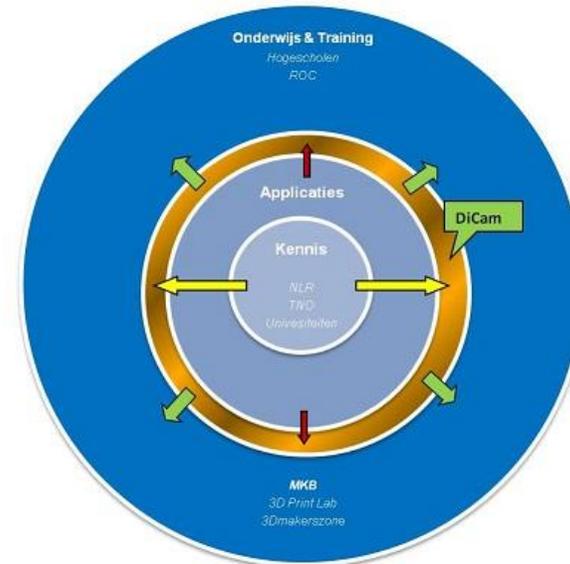
To bring the 3D Print Technology & knowledge to:

- **Small and medium sized enterprises**
(by the production company 3D Print Lab LTD)
- **College of higher and medium education**
(by the non-profit organisation DiCam)
- **University of Applied Science**
(by the non-profit organisation DiCam)

Focus on Additive manufacturing of industrial parts in metal & plastic

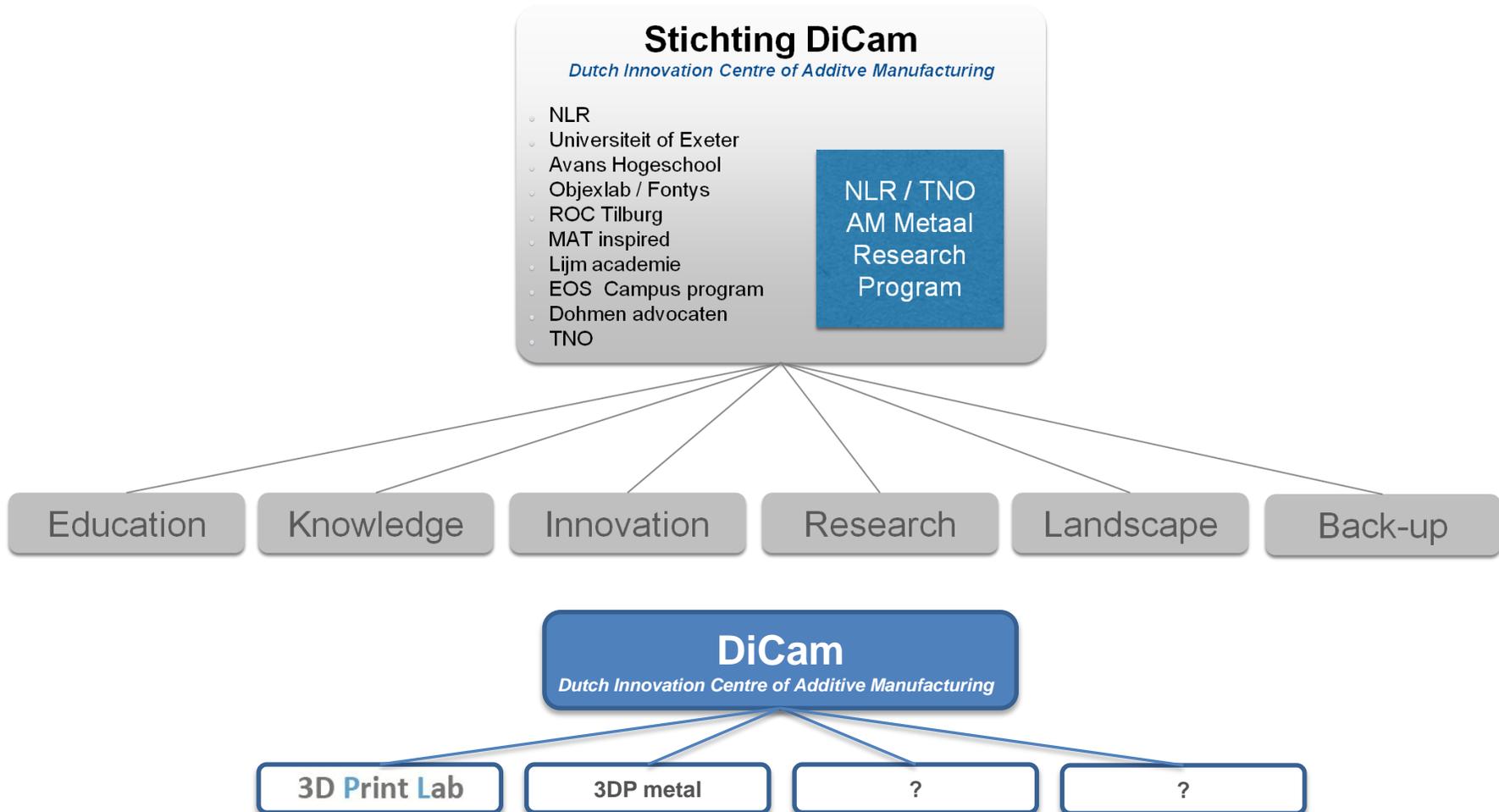
DiCam (Dutch innovation Centre of Additive Manufacturing)

DiCam will be the connector between institutes that will create knowledge of additive manufacturing and the SME's / education that will need this knowledge for education program and to innovate the production process.



Advice, Experiment and Production centre of 3D printing plastic & metal

Non-profit organisation DiCam (Dutch innovation Centre of additive manufacturing)



Advice, Experiment and Production centre of 3D printing plastic & metal

Partners of the DiCam



The National Aerospace Laboratory

- access to SLM
- knowledge sharing
- starting projects
- only metal no plastic



University of Exeter

- access to different 3D printers
- knowledge sharing
- starting projects



TNO

- organisation for scientific research
- access to SLS plastic printer
- knowledge sharing



Gate 2

- platform for the International Aerospace and Maintenance sector
- location of 3D Print Lab

Partners of the DiCam



Avans hogeschool (26.000 students)

- university of Applied Science
- create an Education program of additive manufacturing
- internships by the members



ROC Tilburg (10.000 students)

- college of higher and medium education
- create an Education program of additive manufacturing
- internships by the members



Objexlab Fontys (34.000 students)

- university of Applied Science
- collaboration of education program and knowledge sharing



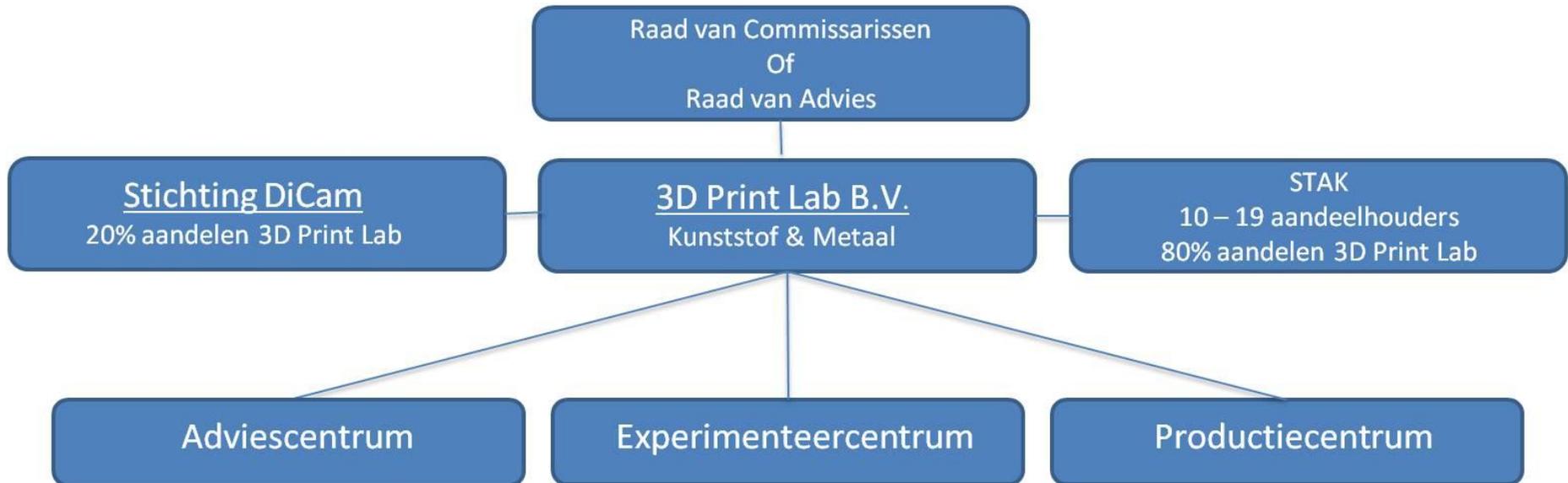
MAT inspired

- laboratories for material analysis
- cooperation with the Eindhoven University of Technology
- will do analysis of 3D print products

3D Print Lab LTD

3D Print Lab

3D Print Lab is the production facility of additive manufacturing for the DiCam and the partners.
The production company is owned by stockholders from the SME's.



Advice, Experiment and Production centre of 3D printing plastic & metal

3 divisions (only for members)



Advice

- product development
- production process
- workshops
- training
- projects



Experimental

- prototyping
- verify



Production

- small production

To cooperate and to start with DiCam or 3D Print Lab:

- Small en medium sized companies and schools will have access to knowledge
- Companies can create new products and enter new markets
- Schools can develop education programs for the students
- We will create a large network with the companies, schools, government and institutes
- Companies and schools will be prepared for the new manufacturing

Access to 3D Print facilities

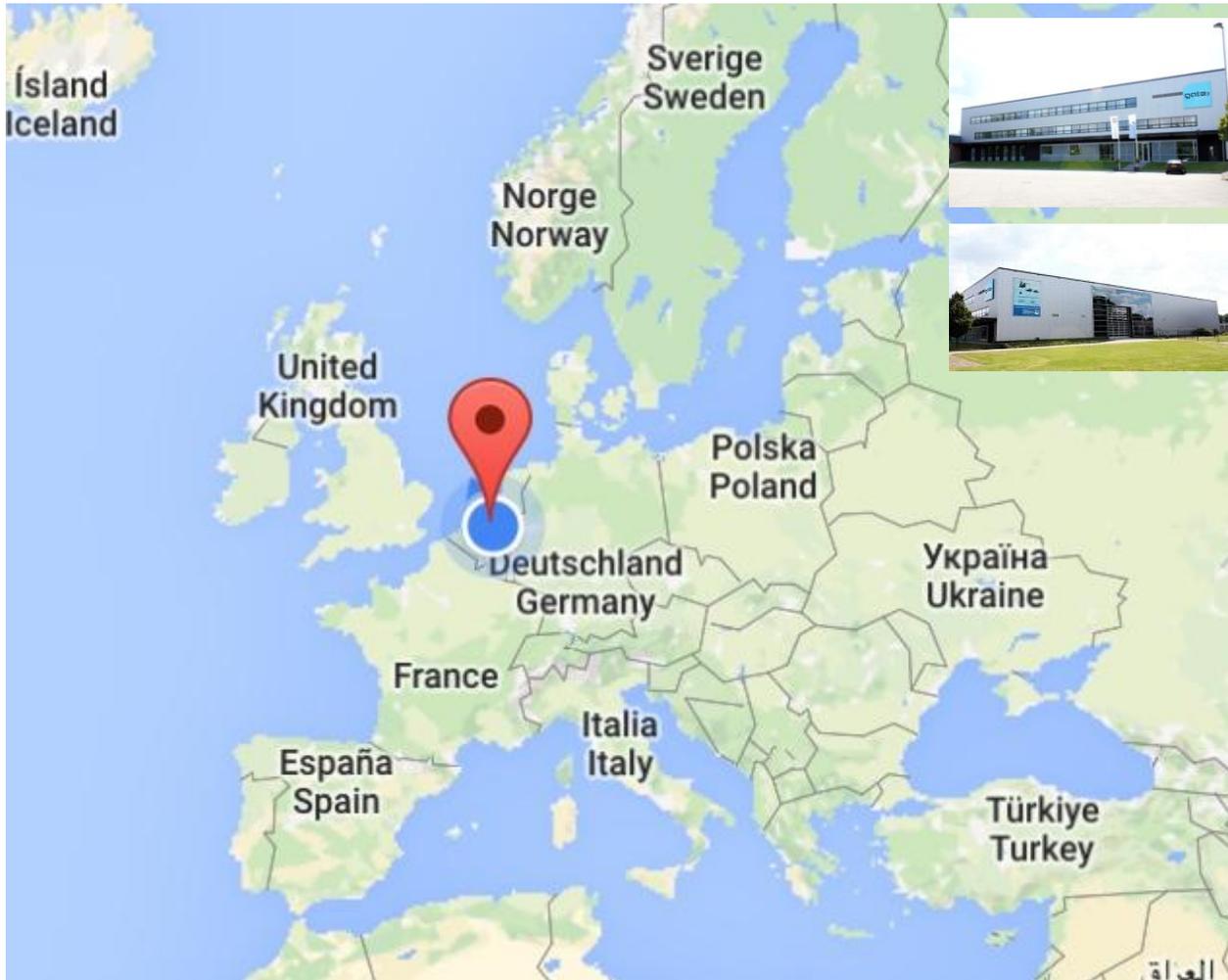
	3D Print Lab	NLR	University of Exeter
Knowledge	<i>plastic</i>	<i>metal</i>	<i>plastic & metal</i>
3D printers	EOS P110 (PA12) EOS P396 (PA12) AM250 (metal)	SLM 280 HL (metal)	EOS P800 (Peek) EOS P100 (PA12) DTM 2000 (PA12) Project HD 3000 (PMMA) Dimension Elite (ABS) Dimension (ABS) Accufusion LC105 (metal) SLM Realiser MCP (metal)
Test lab			
Certify			
Post processing			

Advice, Experiment and Production centre of 3D printing plastic & metal

Gate 2 “Aerospace Business park” (Ericssonstraat 2, Rijen, The Netherlands)

- **3D Print Lab**
- **Rotary Wing Training Center** *for service technician Chinook*
- **European Aerial Systems Training Academy** *for Drones*
- **Helicopter Instruction & Operational Support Flight Training Center**
- **Aerocat** *for optimize of Aerospace catering process*
- **Everest Coating** *develop ceramic coatings*
- **Composite Expertise Center** *for training of composite technology*
- **Lijmacademy** *for training of industrial agglutinate*
- www.gate2.nl
- **100 foot Nearby military AirPort**

Location



Gate 2

Aerospace & Maintenance Value Park

Ericssonstraat 2

5121 ML Rijen

The Netherlands

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DiCam & 3D Print Lab

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3D Print Lab



Provincie Noord-Brabant



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