



ML5: ENGINEERING DESIGN AND MANUFACTURING

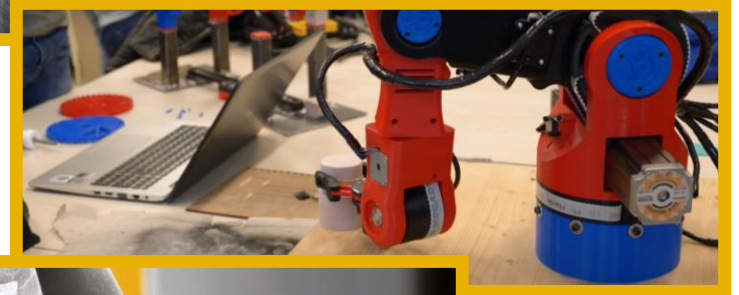
Track 9 - Lecco

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ML5: Skills you will acquire...

After graduating, you will have developed numerous **advanced technical skills**. For example, you will be able to:

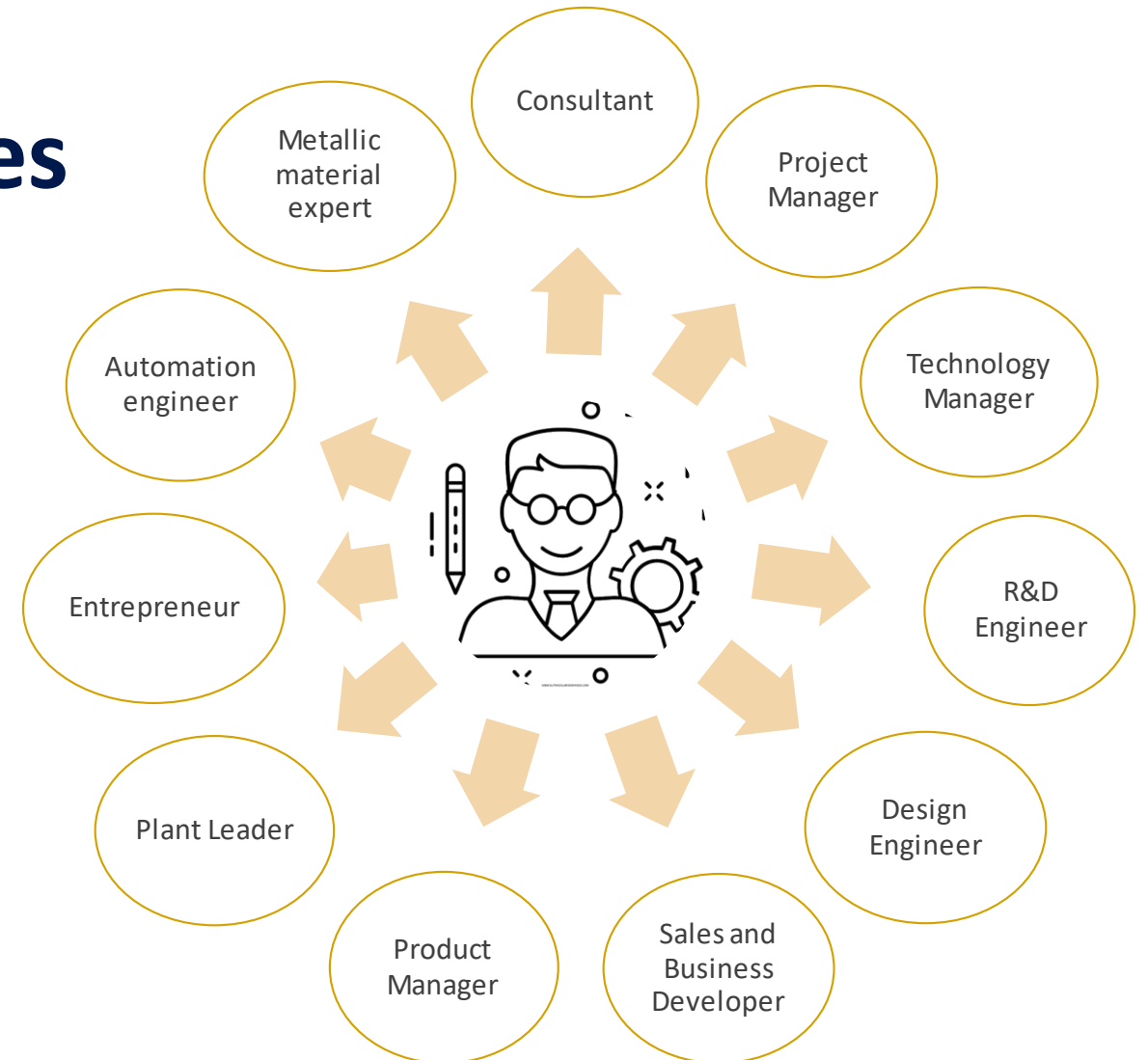
- **Efficiently work from day one, thanks to the project work and to the master thesis in cooperation with companies;**
- **Design and test machines and their components;**
- **Lead R&D projects in SME in the field of advanced metallic materials and production process.**



ML5: Career Opportunities

After graduating, you will be able to **pursue your career** (not only, but also) in:

- **R&D in companies manufacturing machines and their components;**
- **Automotive industries specialized in the optimization of manufacturing process in Tier 1;**
- **Metallurgy and Metalworking;**
- **Technology and Product Managing.**



ML5: Track Mandatory and Elective Courses

38 ECTS

Track Elective Courses
32 ECTS

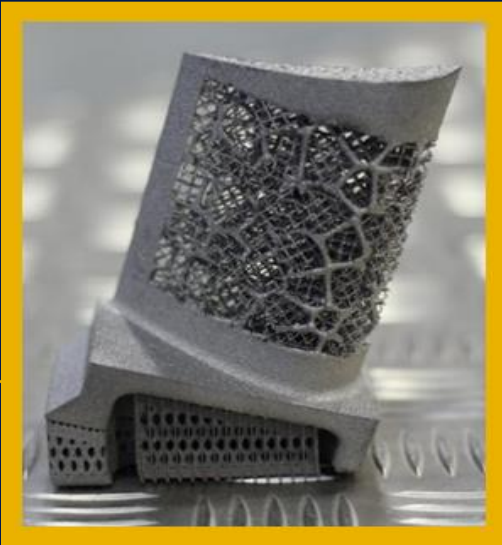
Project Work
6 ECTS

COURSE TITLE	SEM	ECTS
Track Elective Courses I		32
Laboratory of Mechanical Metallurgy	1	8
Advanced Manufacturing Systems	1	8
Robotics and Mechatronics	1	8
Lightweight Design of Smart Mechanical Systems	1	8
Measuring Techniques and Sensors for Automation B	1	8
Computer-aided Design and Mechanical Prototyping	1	8
Track Elective Courses (IT)		
...	1-2	6
Project Work	1-2	6

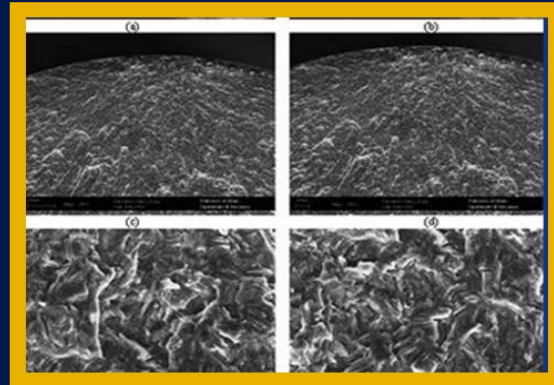
For further information click here:

https://www8.ceda.polimi.it/manifesti/manifesti/controller/extra/RegolamentoPublic.do?jaf_currentWFID=main&EVN_DEFAULT=evento&aa=2021&k_corso_la=485&lang=EN

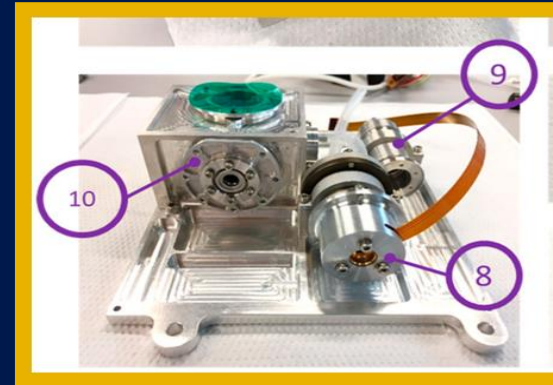
ML5: Examples of Master's Thesis



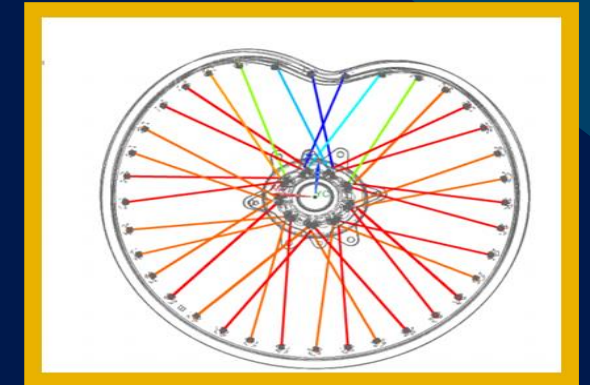
Design and characterization of Ti6Al4V lattice structures manufactured by selective laser melting



Characterization of metallic alloys for oil & gas applications



Design of a holder for a hyper hemispheric optical system for planetary observation



Analytical, numerical and experimental investigation of a motocross spoked wheel

ML5: Partners

Universities & Research Centres



Companies & Organisations

