



Napoli, 18 Settembre 2018

OCORE

Big Size for Great Ideas



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co-founder | Finance Director



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R&I Manager

Challenge

Having a technology that allows the reproduction of what has been designed in *Generative Design* (big scale product and high performance), maintaining the required *structural & mechanical characteristics*, in order to improve the performances of moldes, prototypes and finished products.



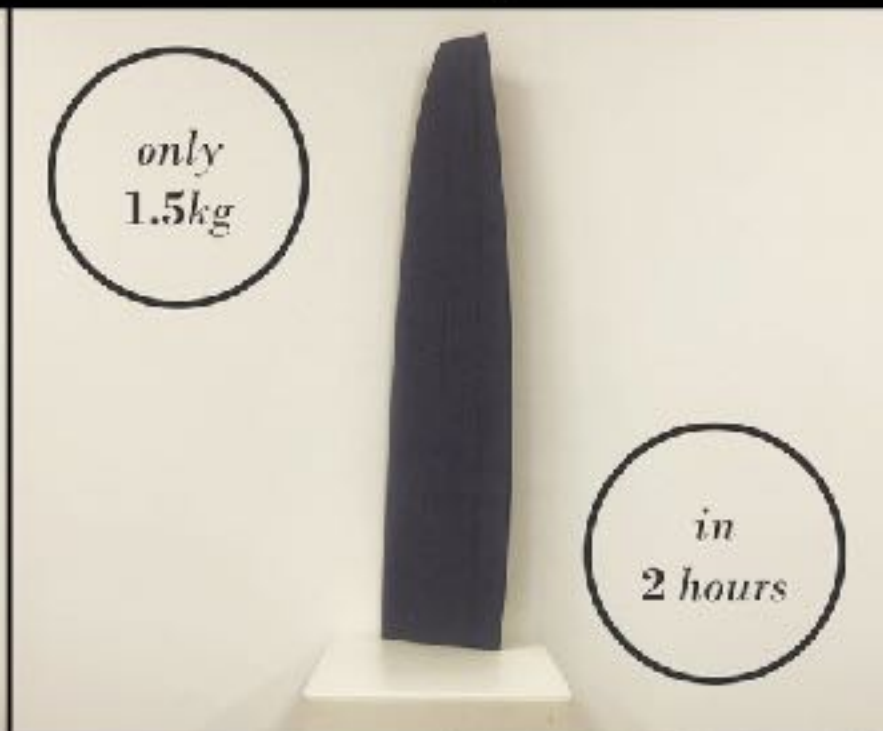
An immediate example is the car designed by Autodesk that from the *EXPLORE > INSPIRE > FABRICATE > GENERATE* process has lost its own morphological originality precisely because there is no such technology, able to print such large objects in additive manufacturing.

OCORE is a declinable solution on many formats, which includes:

- Robotic support*
- Extrusion/Deposition System*
- software for the generation of optimized routes*
- Power supply*
- Sensor system*

*The OCORE's machines can offer two type of seriveces/products, called:
O'SHAPE and O'MOLD.*

Magic Innovation



ruders of MINT16.50 - printed in 2h



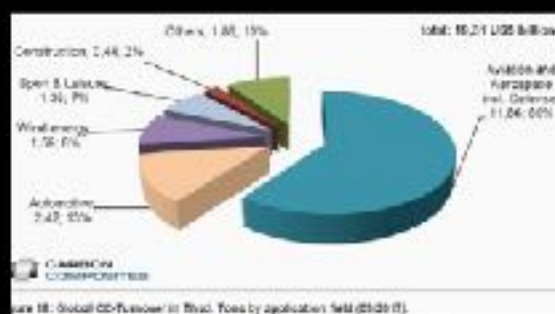
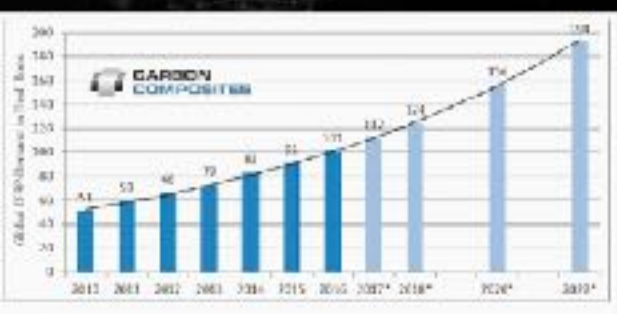
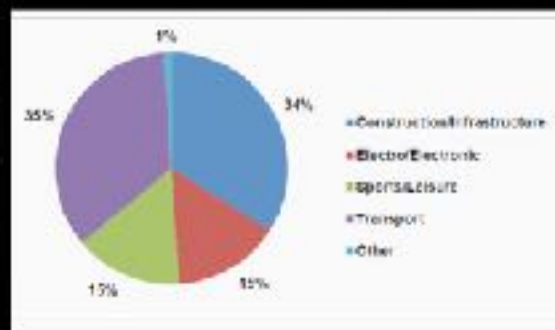
example of Wind Blade mold in thermoplastic reinforced material - Solid by BAM of CINCINNATI

Market and Application sector

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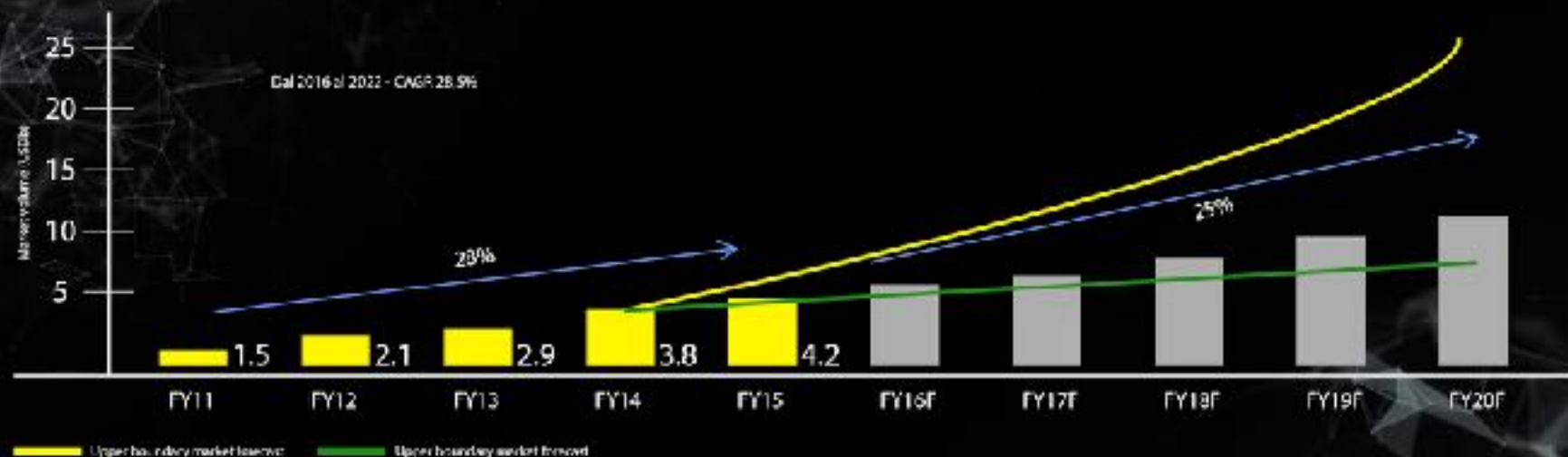
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Market and Application sector



Additive Manufacturing

3DP market



Increases in the volume of demand for 3D Printing systems from 2011 with forecast to 2020

Strategy

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Vision



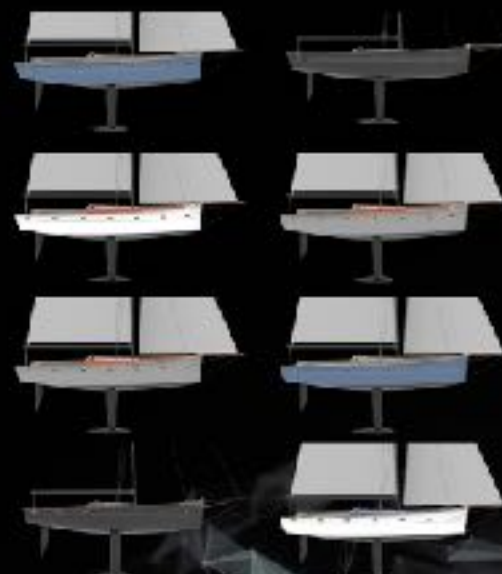
Prototype



Little series



Mass Production



Custom Production

The evolution of manufacturing addition will increasingly expand the concept of Industry 4.0: it will be possible to produce a large and high-performance production, which can also be completely different from the current one, reducing the high costs of model production, molds, and of the subsequent disposal, thanks to the reuse of the material.

Mission

Productivity

Quality

Costs

Prototype

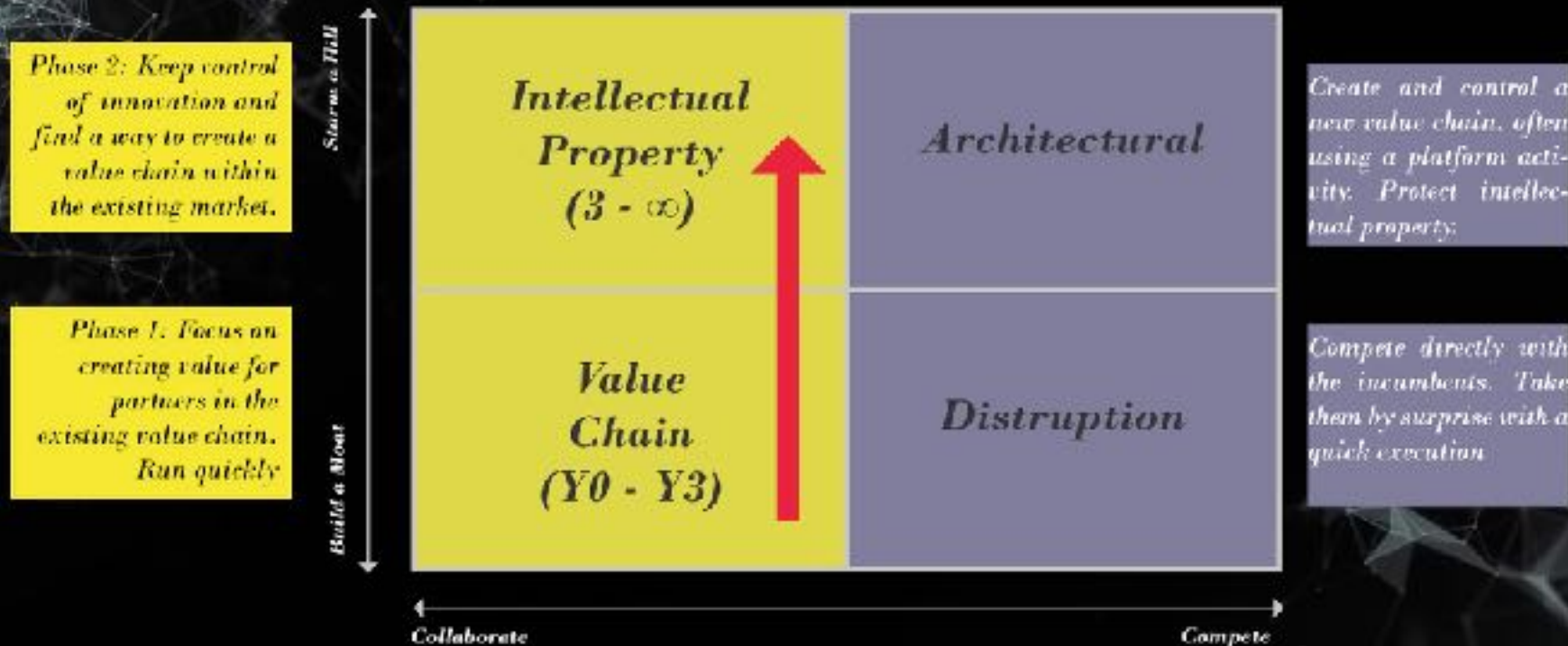
Little series

Mass Production

Custom Production

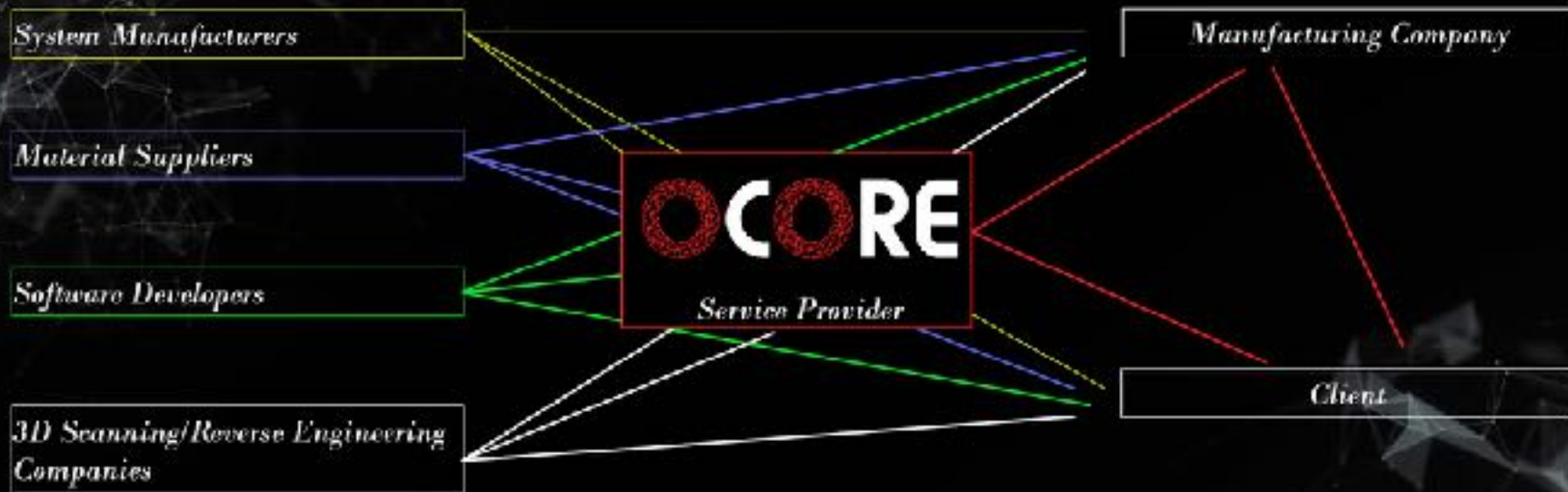
One mission is to use and improve new technologies, together with new materials and new design paradigms, to allow costs to be more and more accessible, increasing the quality of the product and the production capacity of the system

Strategy



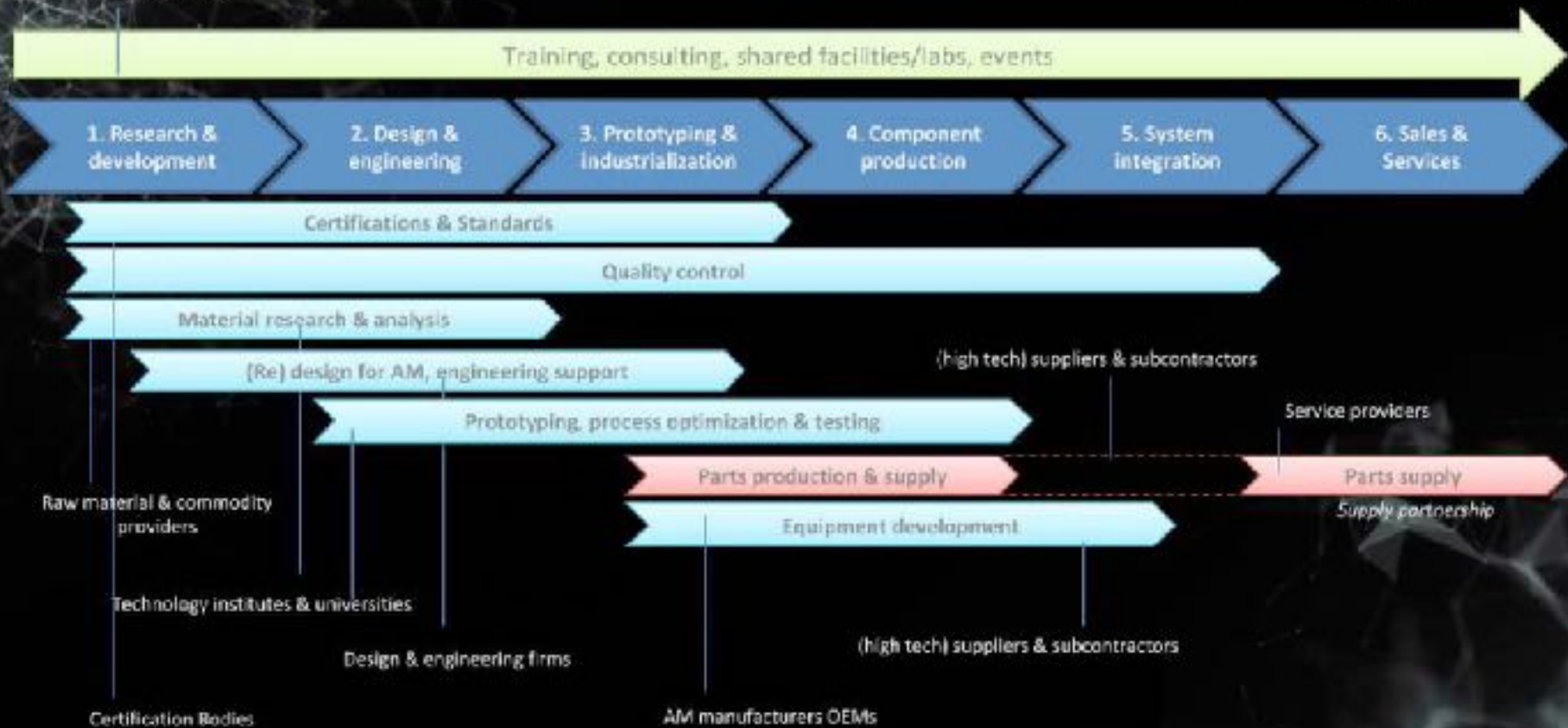
As soon as DCORE has reached the definition of the technology, the recognition on the market of its reliability (as soon as the market is ready to modify their internal processes), and the relative patents (from here in the next 3 years), the strategy of DCORE will change and will move us on an IP strategy. DCORE will distribute in licensing the proprietary technology to the companies producing the same hardware ... (eg as done by Dolby to Sony, Bose, Apple, and others).

Business model



Open Supply Chain

Event organisers

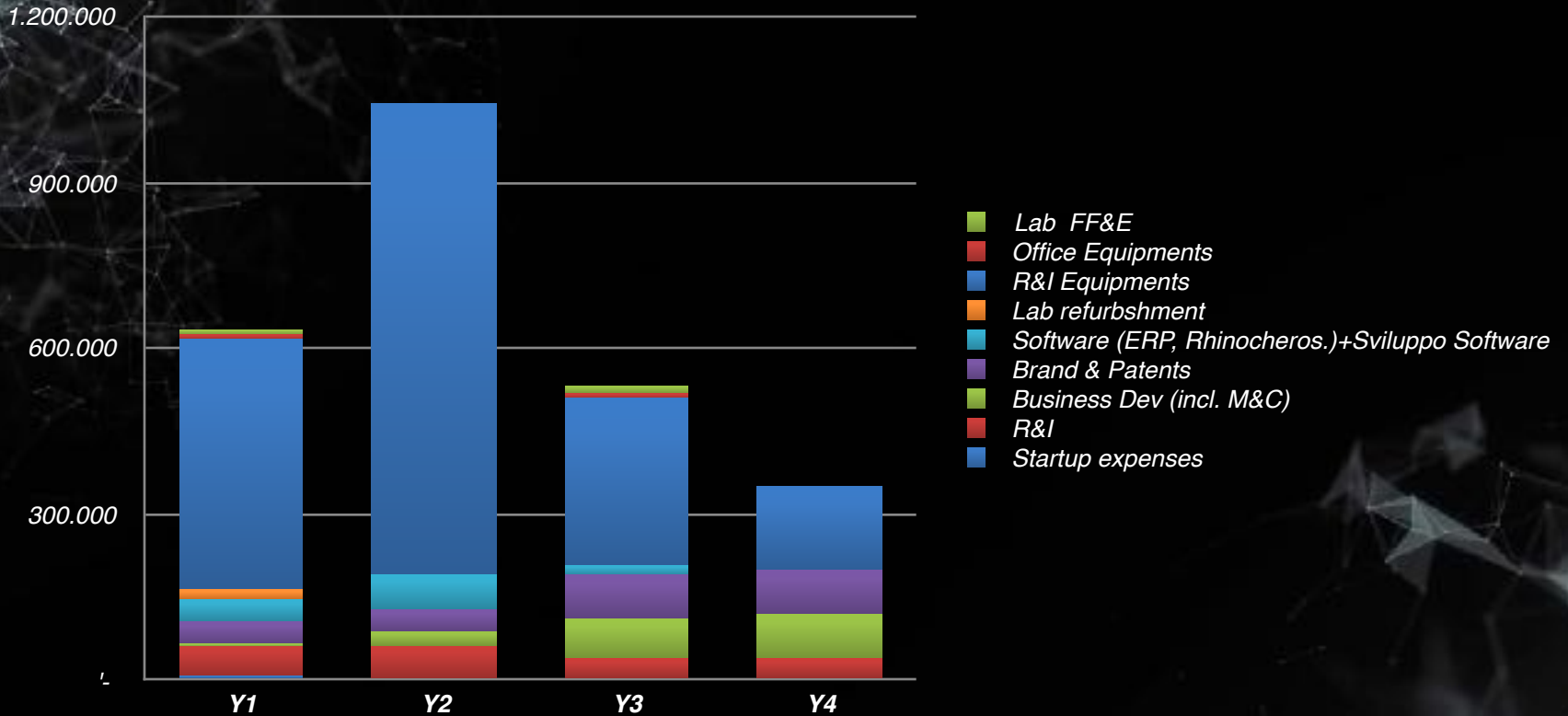


Economics

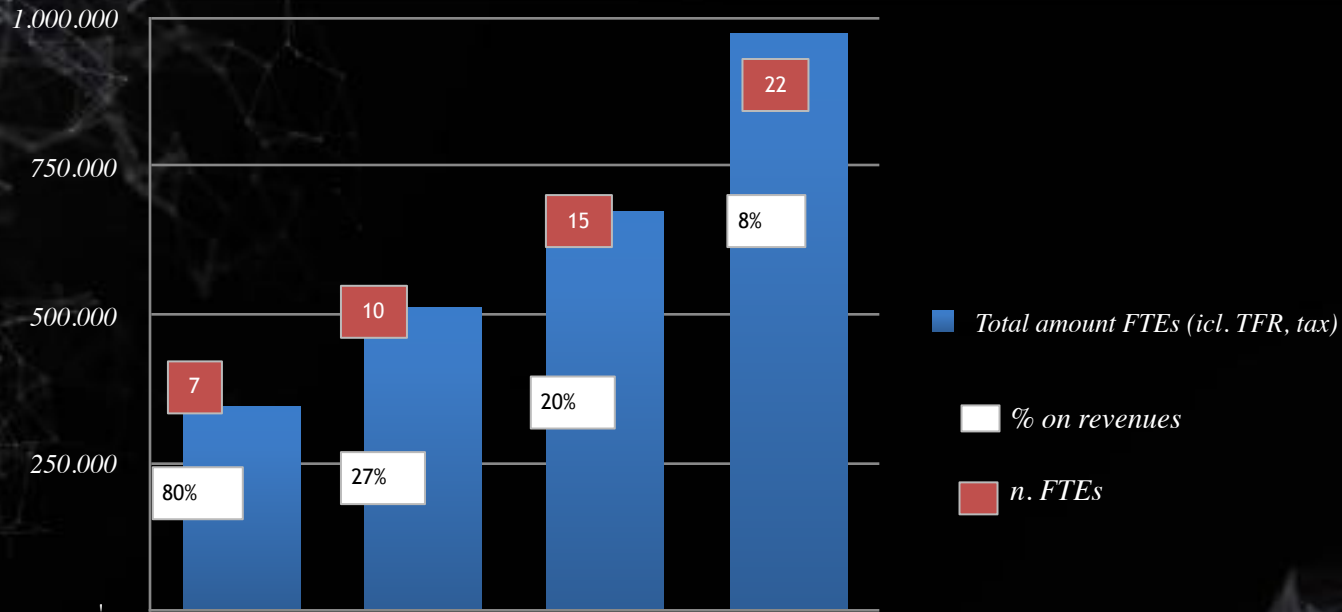
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Investments



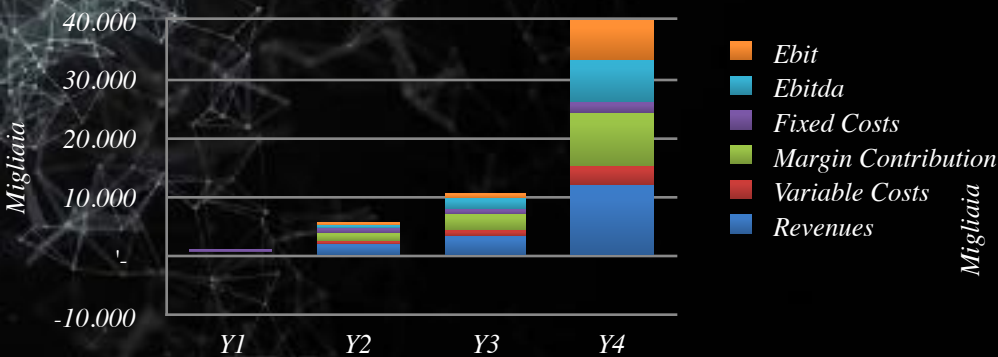
HR costs



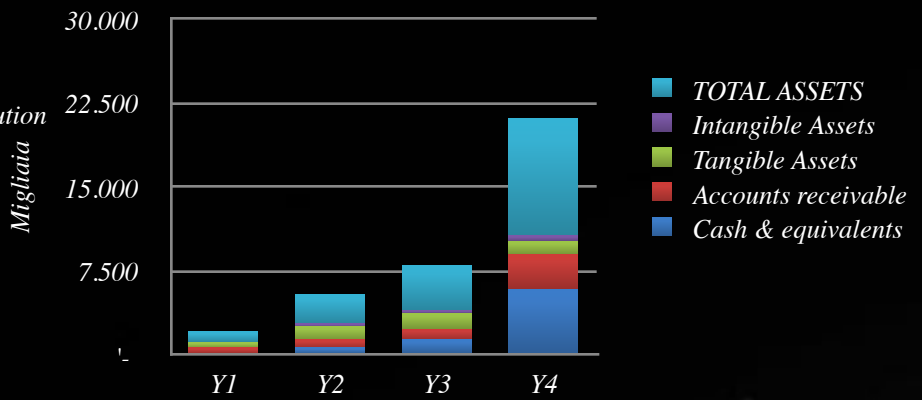
	Y1	Y2	Y3	Y4
Manager	3	3	3	4
Specialist	3	6	9	13
Worker	1	2	3	5
Total amount FTEs (incl. TFR, tax)	343.000	512.442	675.391	973.101
% hr costs/revenues	80%	27%	20%	8%

Profits & Loss, Balance sheet, Cash Flow

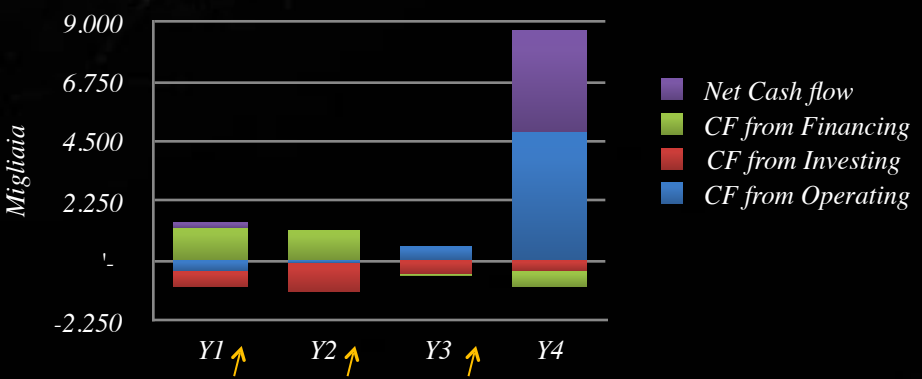
P&L



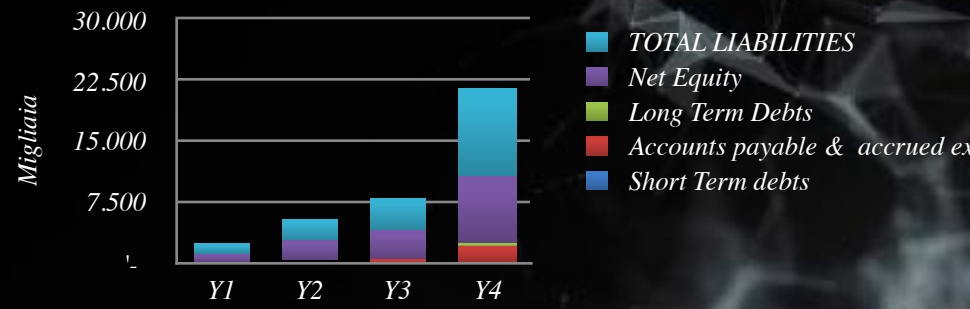
Balance sheet - ASSETS



Cash flows



Balance sheet - LIABILITIES



NEEDS €1,2 M€ €1,1 M€ €0,2 M€

State of the Art

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Achieved Goals

Key Partners



KUKA

سابك
sebic

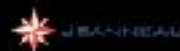
A AUTODESK

lyondellbasell

Key Activities

- 60/65% Time reduction, compared with traditional manufacturing
- Software development with optimized paths material
- Material optimized

Customer Relationship



State of the Art





Thank you