RE

Shape manufacturing
Shore production
Place metals
Duce emissions
Cycle super polymers

We are printing #StrongLikeMetal structures

Metal replaced nano satellite, printed by Roboze 3d printing technology for super polymers and composites

Roboze

- We are replacing metal parts, helping our customers to cut costs, time and emissions
- We produce parts using super polymers and composites through our patented 3d printing technology
- We leverage a customer-centric business model utilizing subscription and a manufacturing as a service marketplace

#PrintStrongLikeMetal

Trusted by World Industry Leaders

+ 500 customers in 24 countries around the world

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Global supply chain for metal parts are expensive and unsustainable

1 Huge Carbon Footprint

The iron and steel industry accounts for **+25%** of global CO2 emissions[1].
China holds +50% of the global metal production.

2 Obsolete Mass Production

Warehousing costs are worth **+$300B / year**[2].
Mass production generates shortage of some products and over-production of other products, stored in warehouses for years before being used.

3 Unreliable Supply Chains

Covid-19 showed how fragile manufacturing is.
97% of the US companies reported supply chain problems during Covid-19[3].

[1] https://www.globalefficiencyintel.com/steel-industry-ghg-emissions
[2] https://www.mckinsey.com/business-functions/operations/our-insights/warehouses-the-boxes-worth-300-billion
[3] https://www.ey.com/en_gl/supply-chain/how-covid-19-impacted-supply-chains-and-what-comes-next

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Why Roboze is disrupting globalized manufacuring

1 Super polymers are replacing metals

Super polymers and composites are reshaping space, transportation, medical, chemical industries.
The super polymer market is expected to grow from $96B in 2020 to **+$160B** by 2027[1].

2 3d printing reaches industrial scale

At nearly $12.8B in revenue in 2020, the 3d printing industry is expected to be worth **$115B** by 2030[2].
Roboze is uniquely positioned to provide real process repeatability and lead the way.

3 Manufacturing is becoming local

Distributed cloud manufacturing brings production close to the point of use.
*"**66%** of CEOs say they have to rethink their approach to supply chains, bringing production closer to home"*[3].

[1] https://www.grandviewresearch.com/industry-analysis/composites-market
[2] https://assets.kpmg/content/dam/kpmg/it/pdf/2021/01/global-manufacturing-outlook-2020-covid-19-special-edition.pdf
[3] https://www.grandviewresearch.com/industry-analysis/composites-market

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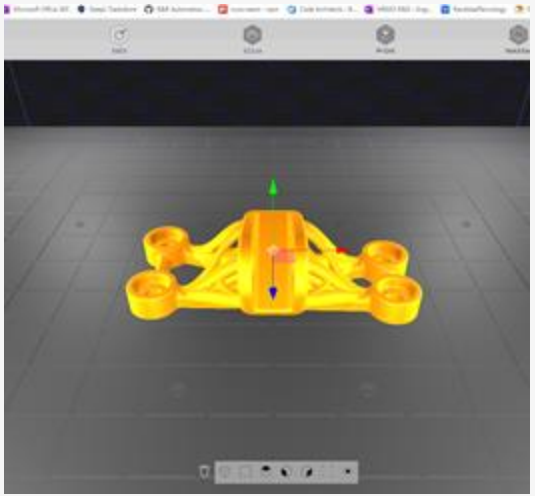
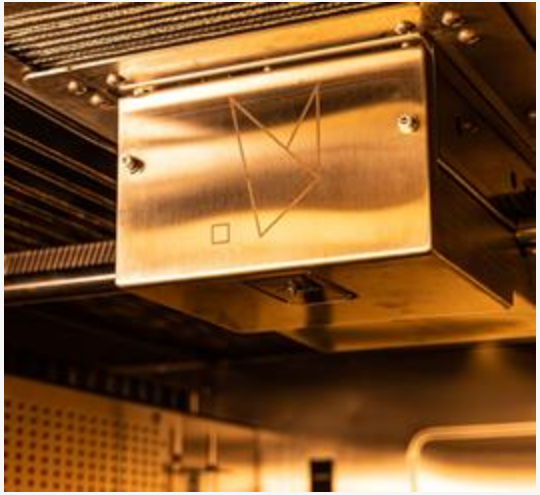
Roboze's 3d printing Ecosystem is shaping a new era of customized production

Roboze's Ecosystem includes:

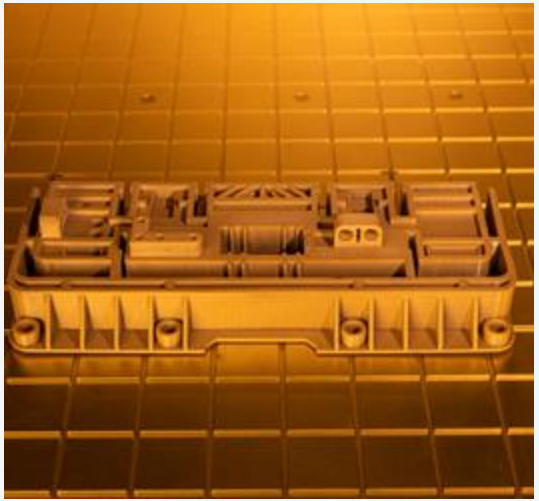
- Patented "beltless" 3d printers scalable mass production
- Roboze proprietary materials super polymers and composites
- Roboze proprietary CAM software
- Cloud-based software for remote updates and management

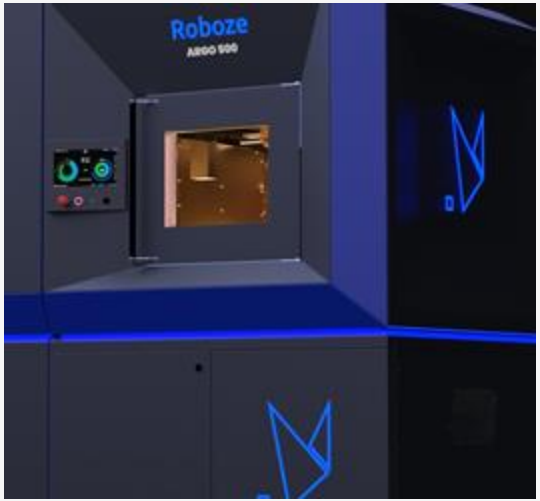
software





materials





Cloud connection

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Super polymers and composites create a new space

"Plastic strengths have been improving for over 50 years and even replacing metal parts; engineered plastic parts can be just as strong as metal and cost less"[1]

Metal machined part

Roboze super polymer 3d printed part

- ✓ 50% lighter and 40% cheaper compared to metal
- ✓ Roboze is targeting 7%-9% of the metal replacement market expected to be worth +$159B by 2030[2]

1 https://www.machinedesign.com/materials/article/21834845/replacing-metal-with-plastic
2 https://www.beroeinc.com/category-intelligence/machining-market/

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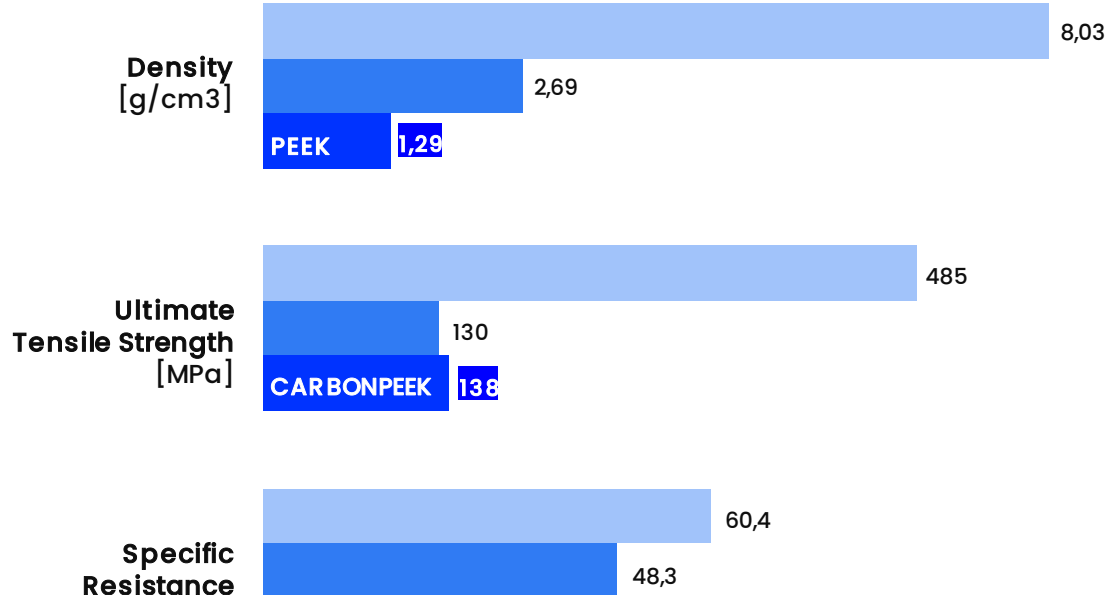
Roboze's super polymers outperform metals



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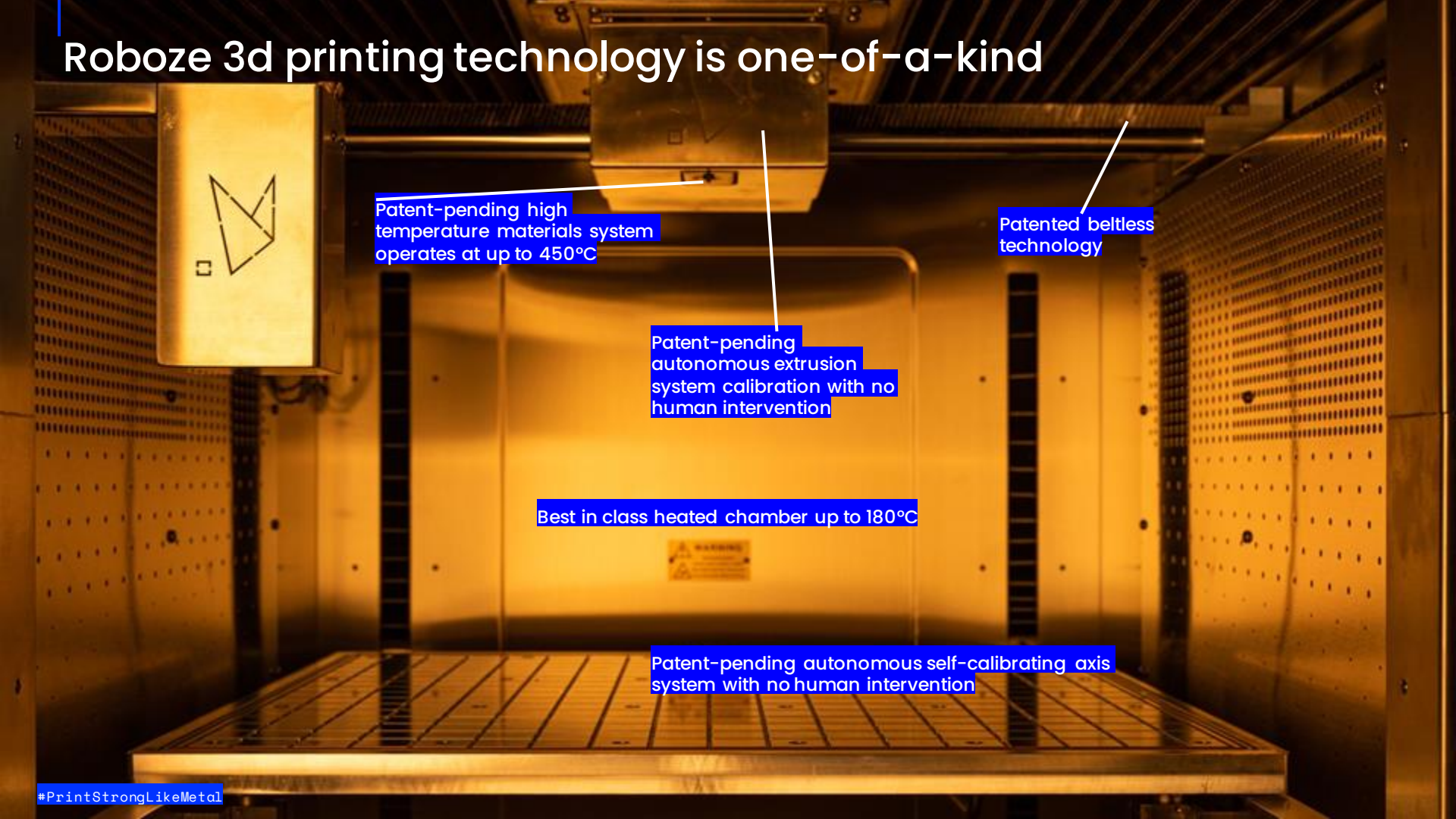
Roboze 3d printing technology is one-of-a-kind



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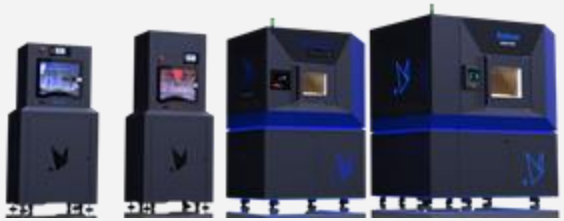
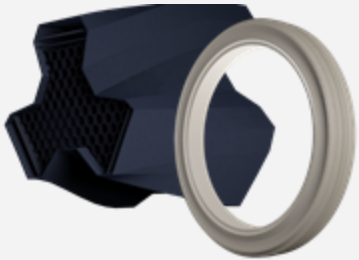
Patented technology enables multi-channel revenue streams

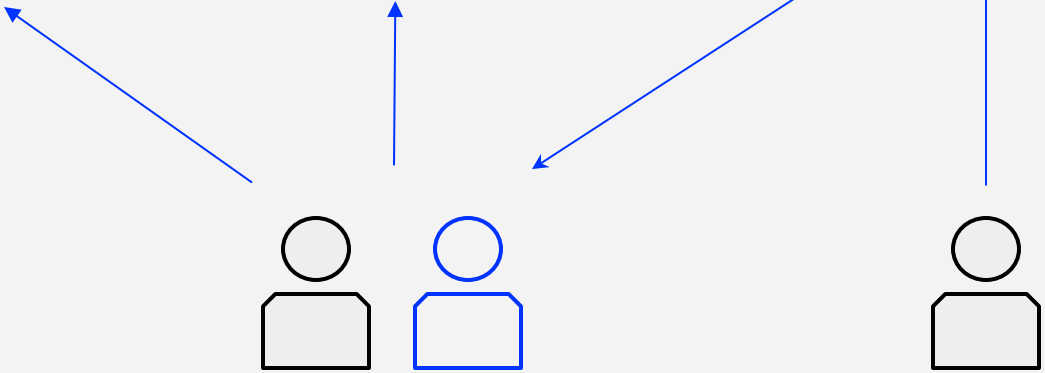
3d printers
(sales & subscription)



Proprietary Materials
(recurring revenues)



Maas Marketplace
(transaction fees)



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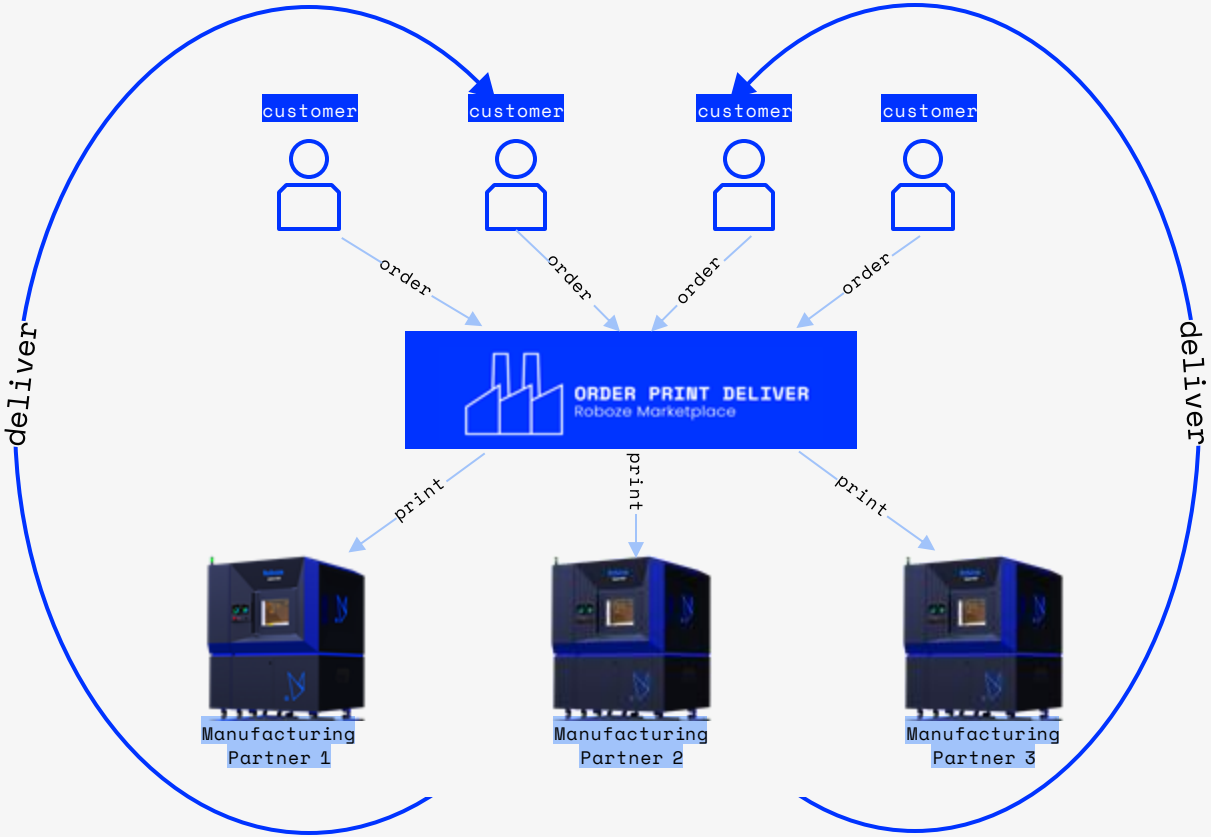
Manufacturing as a Service Marketplace

Up to 1K manufacturing as a service partners and 1M parts produced by 2030

We have created the manufacturing as a service marketplace where we connect customers with our manufacturing partners, who utilize their machines at extra capacity.

We have printed thousands of parts, repeatedly, with low tolerance, wherever there is a Roboze printer.

A part printed in Houston is exactly the same as a part printed in Singapore.



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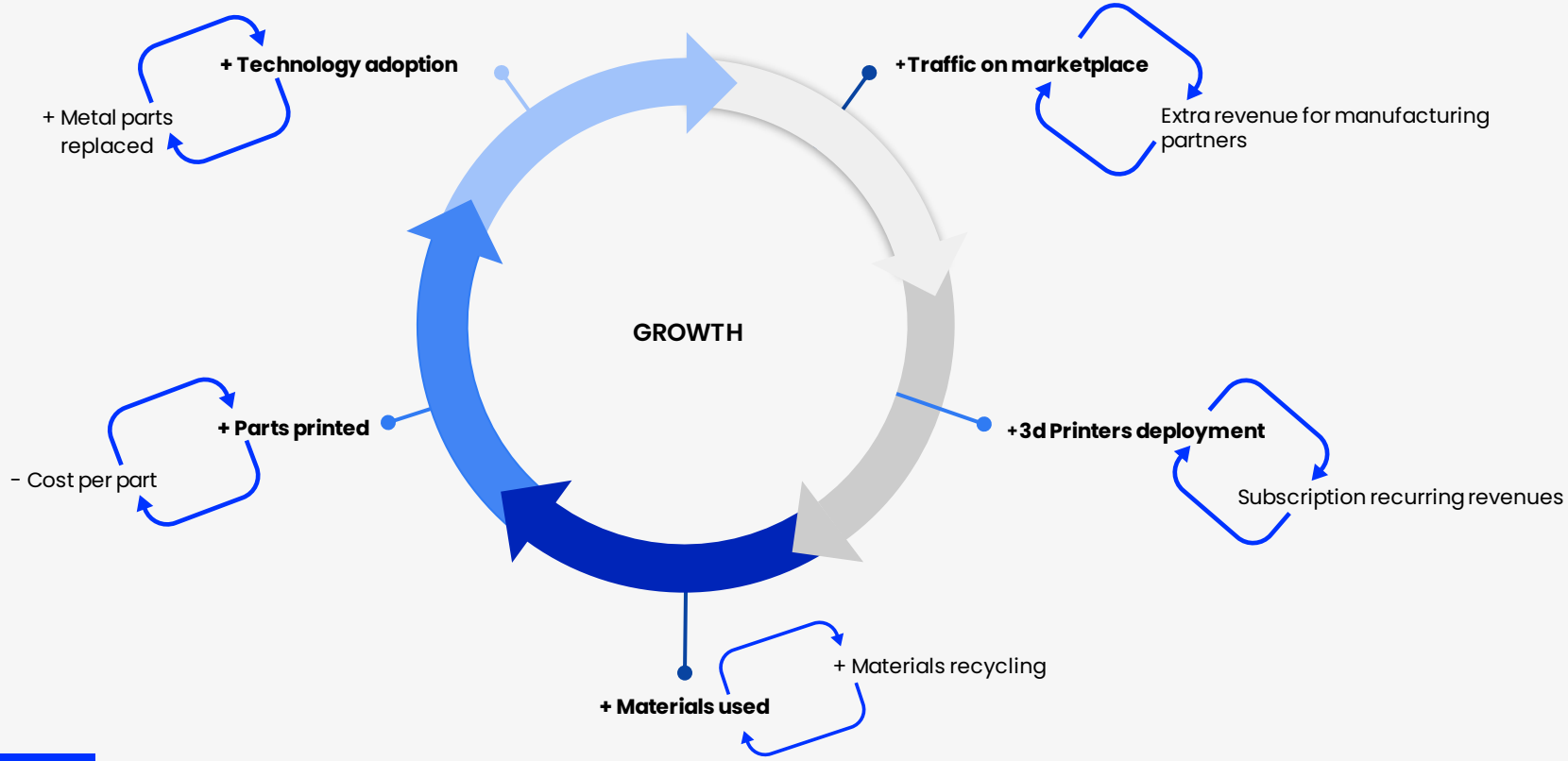
Multi-year subscription contracts

Roboze's subscription model includes:

- $89K/year for 3 years, then $9K/year for 7 years as a maintenance and service fee
- Warranty, remote diagnostic and preventive maintenance
- Roboze proprietary CAM software
- Cloud integration for continuous software and materials updates to prevent technological obsolescence

A virtuous circle enables exponential growth



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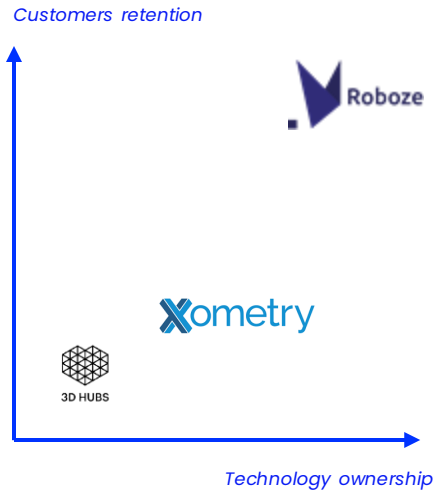
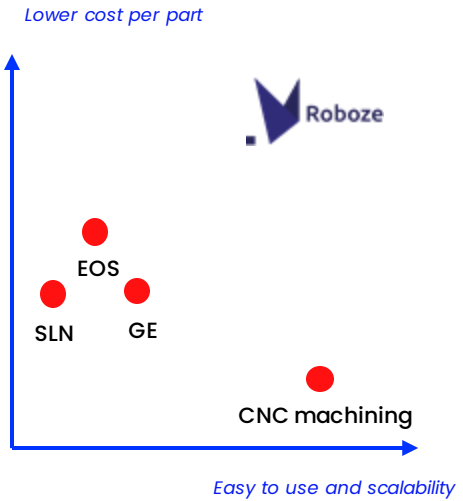
Competitive landscape

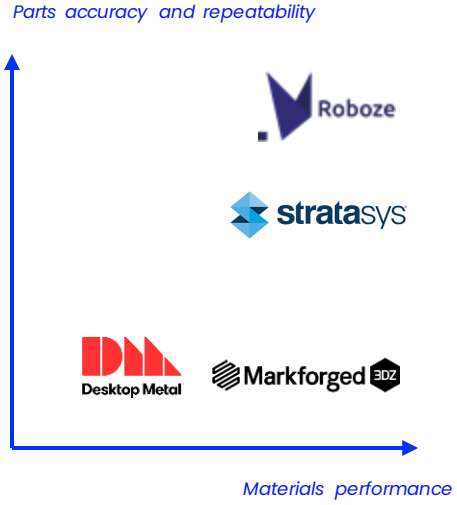
Manufacturing as a service marketplace



Metal 3d printing & machining vs Roboze super polymers



Prototyping 3d printers vs Production 3d printers



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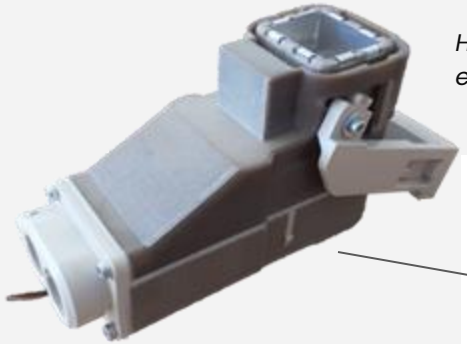
CubeSats

"Roboze allowed us to meet the requirements of the project by guiding us in choosing the most suitable material and in the optimization of the parts to minimize mass. We are very satisfied with the results we are achieving"
Vicki Knoer – University of Colorado Boulder

	Traditional Technology	Roboze Technology
Production method & material	Aluminium by CNC machining	PEEK by Roboze
Cost	$ 3400	$ 400
Mass	390 g	200 g

Electrical Mobility



High Voltage Connectors for e-Axle (Bosch) EV Engine

	Traditional Technology	Roboze Technology
Production method & material	PEEK by CNC machining	PEEK by Roboze
Production time	3 weeks	3 hours
Cost	$ 855	$ 125

Medical Devices

- Upper Limb Prothesis *($15B market by 2027)*[1]
- Orthopedic Implant *($18.6B market by 2023)*[2]
- Surgical Instruments *($1.5B market by 2027)*[3]

	Traditional Technology	Roboze Technology
Parts method & material	Stainless Steel by CNC machining	Carbon fiber filled nylon 3d printed by Roboze
Production costs	$ 950	$ 120 (-87% compared to previous method)
Number of parts	49	15 (-70%)

[1] *Link Source*
[2] *Link Source*
[3] *Link Source*

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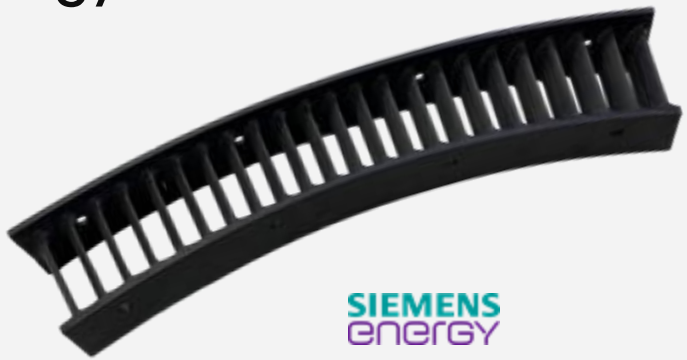
Energy



	Traditional Technology	Roboze Technology
Production method & material	Aluminium by CNC machining	Carbon fiber filled nylon 3d printed by Roboze
Cost	$ 2.3	$ 1.4K
Operating Conditions	• T 110 °C • Exposed to cleaning alcohol	

Multicompetence leadership team between US and Europe

Francesco Pantaleone
VP Sales

Arash Shadravan
Energy Transition Biz Dev Manager

Andrea Benedetti
US General Manager

Giuseppe Porcelli
CFO

Peter Rowland
US Channel Director

Fabrizio Brandi
Marketing Director

Antonio Pastore
Head of Engineering

Giancarlo Scianatico
EMEA Business Director

Simone Cuscito
CTO. PhD Materials Science

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Roboze

Alessio Lorusso
Founder & CEO

Mission-driven Founder and Ceo. Alessio built his first 3d printer when he was 17. He self learned mechatronics, computer science and materials science. Worked in his father 5-person CNC shop for years. Invested 40K and founded Roboze at the age of 23. Recognized as Forbes 30 under 30 in Industry and Entrepreneur of the year by Ernst and Young. Alessio owns 94% of shares and aims to make Roboze, the 3d printing company that will create a paradigm shift in manufacturing.

Advisory Board Members

Alfredo Altavilla

Altavilla is among the most well-known industrial leaders in the entire global scene, President of ITA Airways, and advisor to the CVC fund.

CVC ITA AIRWAYS

Boris Collardi

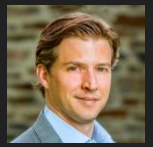
As a recognized leader in the financial sector, Collardi held the role of CEO at Julius Baer and Managing director at Pictet.

PICTET Julius Bär

Diego Piacentini

Considered one of the most influential world top managers in the High Tech and Supply Chain sector, Diego Piacentini has held top positions in Apple and Amazon, working with both Steve Jobs and Jeff Bezos.

amazon



Alec Ross

Entrepreneur and author, Alec Ross is an American expert in technology policy. Ross served as Senior Advisor for Innovation to the former U.S. Secretary of State Hillary Clinton and as Convener for the Technology & Media Policy Committee during Barack Obama's 2008 presidential campaign.

AMPLO

Federico Faggin

Federico Faggin revolutionized modern history by co-inventing the microprocessor. Alessio and Federico met at an event dedicated to the great Olivetti.

intel

Alain Harrus

Expert in industrial manufacturing processes with a background in Physics and over 20 years of venture capital experience in Silicon Valley.

INTEMATIX

kateeva

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Technology Committee

Sandro De Poli

President of Avio Aero-GE Aviation Business, Sandro De Poli is a great connoisseur of traditional manufacturing processes and at the forefront of the development of additive manufacturing techniques.

Avio Aero

Steven Gonzalez

With over 32 years of experience at NASA, Gonzalez is one of the world's leading experts in the space industry. His interest today is to accelerate the adoption of additive technology in the space industry.

NASA SELDOR CAPITAL

Roboze

Roboze Investors

Equiter Spa – Intesa Sanpaolo

Intesa Sanpaolo is known as one of the main banking groups in Europe and through its venture capital firm Equiter Spa, it researches, selects, and invests in the most promising high-tech companies on the international scene.

NovaCapital

NovaCapital is the financial holding and investment company that reports to Paolo Merloni, executive chairman of Ariston Group.

Lagfin

Lagfin is the holding company of Campari Group, one of the most prominent players in the spirits industry worldwide.

Alfredo Altavilla

Altavilla is among the most well-known industrial leaders in the entire global scene, President of ITA Airways, and advisor to the CVC fund.

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Considered one of the most influential world top managers in the High Tech and Supply Chain sector, Diego Piacentini has held top positions in Apple and Amazon, working with both Steve Jobs and Jeff Bezos.

Luigi de Vecchi

Currently Chairman EMEA at Citi, Luigi de Vecchi is an international finance guru.

Alain Harrus

Expert in industrial manufacturing processes with a background in Physics and over 20 years of venture capital experience in Silicon Valley.

Stefano Bernardi

Co-founder and partner of Semantic Ventures and full time investor of future-tech societies.

Andrea Dusi

CEO of Treccani Futura whose commitment is in the promulgation and enhancement of technological issues that can influence the society of the future.

Andrea Guerra

Manager with extensive international experience, former CEO of Luxottica, and currently CEO of LVMH Hospitality Excellence.

Roberto Ferraresi

Long-time investor and current CEO of The Equity Club. In his career, he has managed deals exceeding 700 million in value.

Luigi Giacometti

In his long career he has held senior positions, including at GE Capital. He is the founder of Galileo SPAC, listed on the Nasdaq.

Denis Faccioli

Denis Faccioli is the CEO of Tecres, a leading company in biomedical technologies who specializes in the development of cements and bone substitutes.

#PrintStrongLikeMetal

We are turning bits into strong like metal atoms.

roboze.com

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