



Company Description

Rebartek provides a deep tech solution for mass customization of concrete reinforcement steel. They reduce time & labor on the construction site by 90% through combining automated optimized structural design with a mobile robotic factory for prefabrication.

Problem

Rebar is a critical part of almost all buildings and our entire built infrastructure such as bridges, tunnels and roads. Today the installation of rebar during the construction is an extremely labor-intensive process. A single large project spends between **3-30M€** on rebar. The construction companies main rebar pains are: high cost, duration, financial risk and carbon emissions combined with low safety and a lack of workers.

Solution

Rebartek delivers a fully integrated rebar platform: "Rebar as Service"

- A software client that plugs into our customers structural design software and allows them to rapidly customize and automatically optimize rebar cages for their projects. It reduces steel consumption by 20%.

- A mobile robotic factory that is remotely operated to prefabricate the designed rebar cages. It implements our patent pending dynamic jig technology to enable mass customization, thus reducing labor cost & installation time on site by 90%.

Market

The total annual global rebar market is **160B€**. Rebartek has 85 prospective clients in their funnel, most of them from inbound requests. They have signed **10 LOIs** that represent **1B€** of the rebar Market. One of our local pilot projects is spending 13M€ on rebar, another we are negotiating in Oslo will spend 24M€ on rebar.

Business Model

Rebarteks prototype is selling rebar cages to local customers at market price with a 20% profit margin.

When the mobile factory is fully certified, it will be sold to customers. A fully utilized factory saves the customer 2M€ annually.

Rebartek also charges a monthly fee for the design software and remote operation of the factories.

USP & Differentiation

Existing rebar machines are huge, stationary and geared towards mass production. Rebarteks solution of automated design and production reduces cost, time & material through mass customized & decentralized prefabrication.

Norway

rebartek.com

Founded in 2018

8 Employees

Field of Activity:
Construction

Investments
received:

800k€

Investment
need:

2M EUR

Max Trommer

CEO & Founder

max@rebartek.com

+47 955 24 933

Rovenso

Agile robots for security and safety monitoring of industrial sites