

Buildots Data-Driven Construction

Company Profile

Industry: Construction Tech
Founded: Jan 18
Funding: Seed, Oct 18

Founding Team

Talpiot excellence program graduates, MSc EE/CS

- Roy Danon, CEO
- Aviv Leibovici, VP Product
- Yakir Sudry, VP R&D

Current State

- Initial product
- Pilots planned for Q2

Contact Information

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Mission

Buildots transforms the construction site into a data-driven, digital environment, bridging the gap between plan and execution.

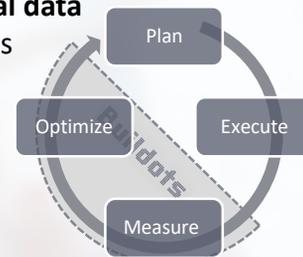
We help projects end on-spec, on-time, and on-budget – with minimal human intervention.

Challenge & Opportunity

Construction industry has undergone a significant transformation in recent years with the introduction of advanced **planning and execution** technologies such as Building Information Modeling (BIM), AR, VR, and field management apps.

However, as far as **measurement and optimization** are concerned, the industry still operates as it has for the past 50 years, using **manual data collection and analysis**, leading to an estimated 30% loss in productivity (McKinsey 2017).

Buildots is introducing novel technology that uniquely positions it to transform this huge and rising market, aching for disruption.



Solution

Buildots is building a fully automated measurement solution establishing a functional control loop, to optimize processes, increase productivity, and minimize financial and timeline risks.

Wearable sensors positioned on field-managers capture visual data to create a daily snapshot of the site, without affecting on-site daily routine.

This data is then automatically analyzed and compared with the plans to create up-to-date progress reports critical for scheduling and decision making. Alerts and reminders are triggered based on industry-standards and machine-learned rules as well as anomaly detection algorithms.

Our proprietary technology incorporates advanced machine learning algorithms to overcome the challenges of indoor positioning, 3D-reconstruction and object recognition to create a seamless experience.

Business Model & Go-to-market

We plan to sell directly to the main contractor through a SaaS contract.
MRR: \$2-5K per project, \$100-250K per client (with 50 concurrent projects)
TAM: \$7B (digitization in multi-family residential projects, interpolated from JBKnowledge report 2017)

Following completion of ongoing pilots, we plan to go to market through strategic integrations with complementing companies such as Procore, Autodesk and Oracle, and expect to reach a large customer base and provide real value at an early stage.

Competition

- Doxel is planning to provide an alternative solution using an autonomous robot, \$4.5M seed led by Andreessen Horowitz.
- 360° documentation solutions such as HoloBuilder provide on-demand manual capture of visual site status.

Our solution provides a critical monitoring solution that is scalable, affordable and integrates well with today's construction sites.