



Built Robotics Exosystem™

Nominated for bauma Innovation Award 2022

August 26, 2022

Munich, Germany

Built Robotics, the inventor of the robotic Exosystem™ and leader in construction autonomy, is honored to receive a nomination for the 2022 bauma Innovation Award in the mechanical engineering category. This recognition marks a significant milestone and acknowledgement of the importance of autonomy to usher in a new era in construction technology.

“The Exosystem puts cutting-edge autonomous technology directly into the hands of contractors,” said Noah Ready-Campbell, Founder & CEO of Built Robotics. “After years of development, Built has created the world's only commercially available autonomous upgrade for heavy equipment. It radically changes how we will build over the next fifty years, and we are excited to join the other nominees as leaders in innovation.”

The Exosystem is an easy-to-install aftermarket upgrade that transforms any excavator into a fully autonomous trenching robot.

- **Designed for construction:** with rugged hardware and an 8-layer safety system, the Exosystem helps contractors autonomously dig trenches in various soils, elevations, and conditions.
- **Affordable and easy to use:** with flexible rental terms, contractors can get robotic capabilities on their jobsites quickly and easily so that they can dig more and spend less.

- **The most advanced technology ever put on an excavator:** the Exosystem combines sensors, software, and safety to deliver the world's first and only fully autonomous upgrade for excavators.
- **Builds critical infrastructure faster:** the Exosystem acts as a force multiplier on jobsites. Building smarter allows contractors to get ahead of the infrastructure project backlog, which is necessary to create solutions for climate change, clean energy, and resource accessibility.
- **Made to build greener:** robotic operation of heavy equipment reduces fuel consumption and increases longevity of equipment. Autonomous digging helps create less errors and rework leading to reduced waste and delay on jobsites.
- **Creating jobs for the twenty-first century:** robotic equipment operators (REOs) are a new class of worker created to support robotic operation in the field. New careers open up opportunities to grow the construction workforce.

The Exosystem delivers a reliable and powerful solution for autonomous trenching. It can be installed and calibrated on an excavator in less than a day. Contractors can rent Exosystems as standalone units to install on their fleet of equipment, or they can lease pre-upgraded excavators from Built directly. Depending on utilization, contractors can realize cost savings of 20% or better versus traditional construction methods. Installation, training, and 24/7 support are included, and discounts are available for long-term rentals.

In bringing widespread autonomy to construction sites across the globe, Built Robotics aims to address critical issues in the built environment through technology. With a growing need for utilities and other buried infrastructure in energy, housing, environment, and clean energy, trenching has proven an important application of autonomy for construction partners.

Built's vision for autonomous construction goes beyond trenching, and the company is developing new products in other applications such as fully autonomous truck loading, backfill, compaction, and material distribution. With the Exosystem, Built Robotics will fulfill the promise of bringing automation into the mainstream of construction.

About Built Robotics

Built Robotics' mission is to build the robots that build the world. As the inventor of the world's first autonomy solution for excavators, the Exosystem™, Built transforms excavators into fully autonomous trenching robots. Exosystems are deployed today across the \$1 trillion earthmoving industry, building critical infrastructure in energy, telecom, and more.

Media



The Exosystem can be installed on the back of excavators to turn them into fully autonomous robots. It includes all the sensors and technology needed to integrate with the machine.

[Download](#)



An Exosystem installed on the back of an excavator digs a trench autonomously. Built's technology can be installed on most pieces of heavy equipment from a variety of OEMs.

[Download](#)



Rugged technology powers the Exosystem. It can dig thousands of kilometers of trench in various soil and elevation conditions.

[Download](#)



A powerful and easy to use software system allows a new class of worker, the Robotic Equipment Operator (REO), to manage the robots remotely, while freeing skilled workers to focus on other tasks. This creates a more productive workforce that can focus on critical tasks, while opening up job roles that have not existed in construction before.

[Download](#)

Media Contact

Erol Ahmed

Built Robotics

(415) 343-7870

communications@builtrobotics.com