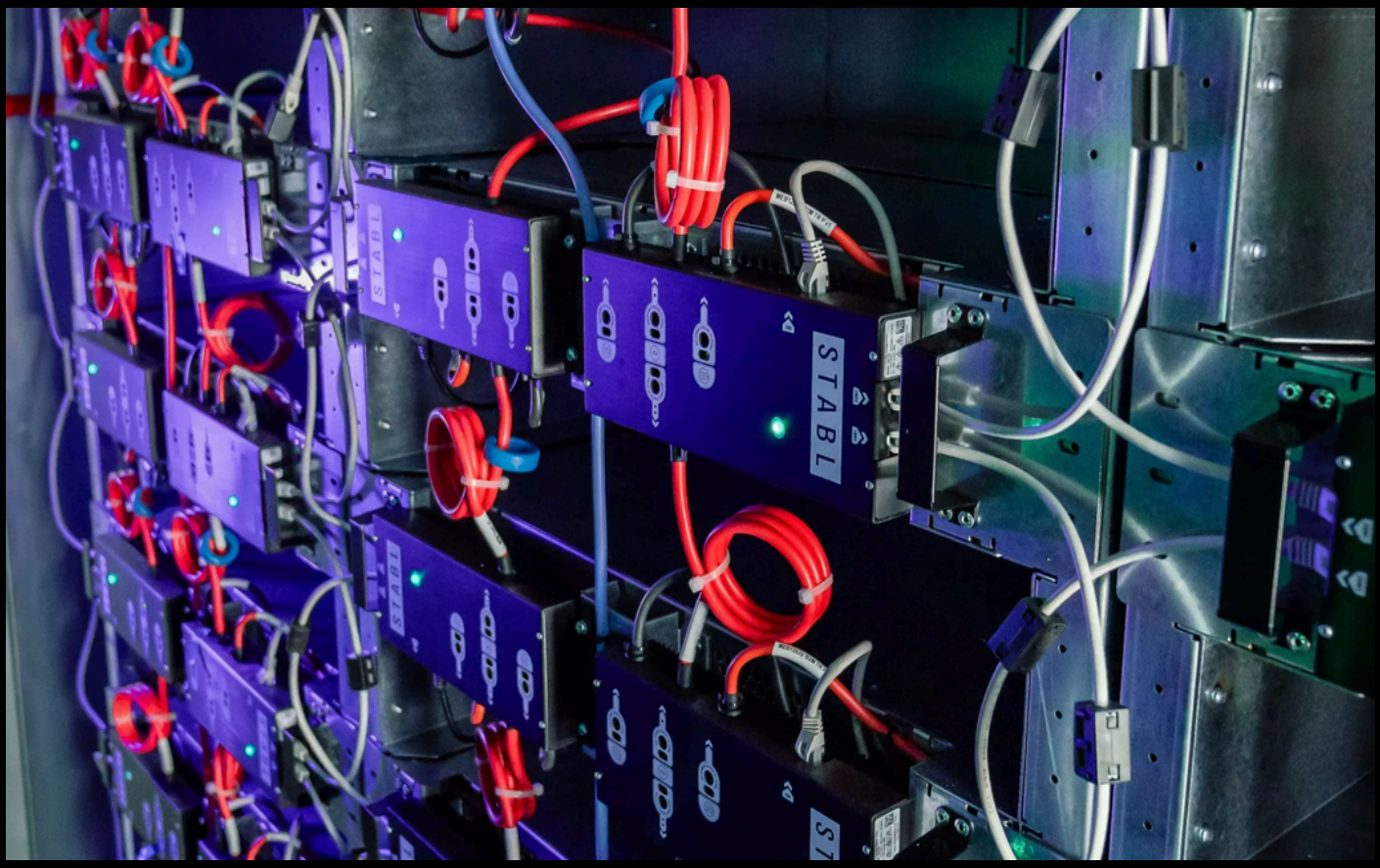
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Startup Series

Where Breakthrough Innovations Begin

ENERGY TECH

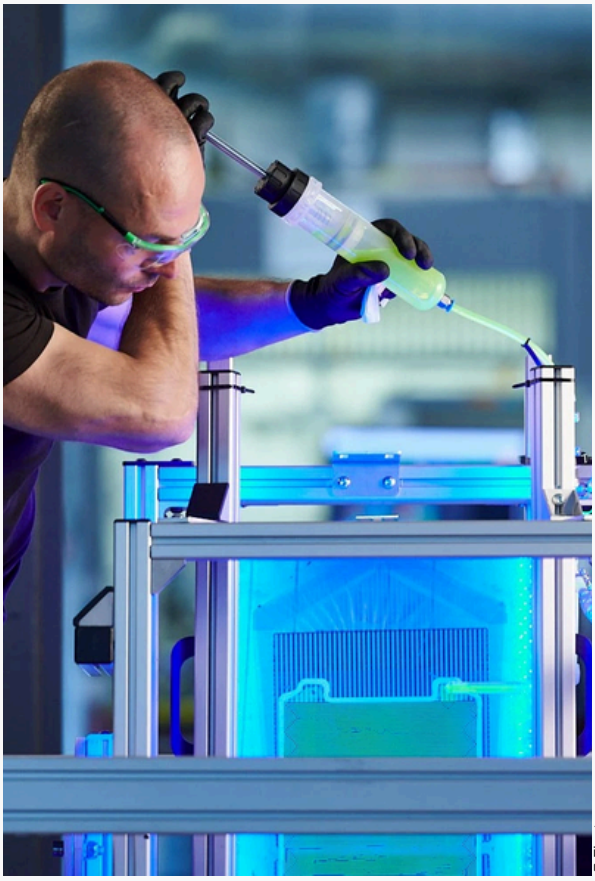
20 emerging innovators to watch in 2026 and beyond



STABL ENERGY | ENERDRAPE | SINERGY FLOW | LIGHTSEEDS | GREEN THERMA
BLYKALLA | DANTE FUSION | BTRY | ELESTOR | GAZELLE WIND POWER | PULSETRAIN
POWERUP ENERGY TECHNOLOGIES | BASQUEVOLT | STEADY ENERGY | TURN2X
THORIZON | HOLOSOLIS | WIND CATCHING SYSTEMS | HADES | BUILD TO ZERO

ENERGY TECH

20 EMERGING INNOVATORS 2026



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08 **BTRY**
Ultra-Thin Solid-State Batteries for Electronics

10 **ELESTOR**
Long-Duration Hydrogen-Iron Flow Batteries

12 **HADES**
Laser Drilling for Geothermal Energy and Minerals

14 **BUILD TO ZERO**
Molten-Salt Storage for Industrial Heat

16 **ENERDRAPE**
Drill-Free Geothermal Panels for Buildings

18 **THORIZON**
Molten-Salt Reactors for Industrial Energy

20 **GAZELLE WIND POWER**
Floating Platforms for 18 MW+ Wind Turbines

22 **POWER UP ENERGY**
Hydrogen Fuel Cell Generators for Resilient Power

24 **LIGHTSEEDS**
Vertical Solar Systems for Existing Infrastructure

26 **BLYKALLA**
Lead-Cooled SMRs for Reliable Baseload Power

ENERDRAPE

DRILL-FREE GEOTHERMAL
PANELS FOR BUILDINGS



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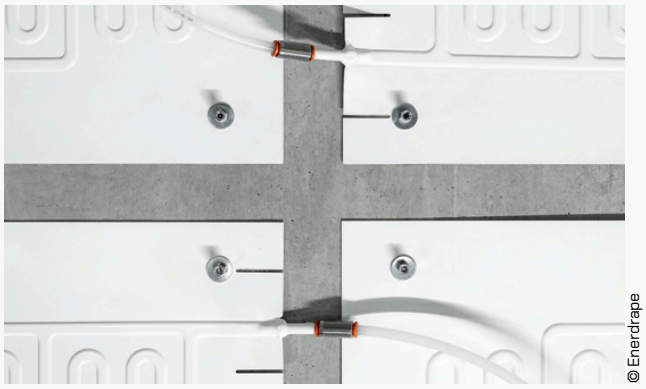
FINDING ENERGY IN THE WALLS BENEATH OUR CITIES

Below cities lies a largely overlooked thermal resource. Underground car parks, tunnels, and other subsurface structures maintain contact with the surrounding ground, yet accessing this energy conventionally often requires dedicated boreholes or ground works. Swiss cleantech company Enerdrape is taking a different route. Its modular panels are mounted directly onto existing underground walls, where they capture shallow geothermal energy from the surrounding ground as well as residual heat from the underground environment. An integrated closed-loop fluid circuit transfers this energy to a heat pump. The system can provide renewable heating and cooling to buildings above without drilling or direct contact with the soil. Emerging from research at EPFL, Enerdrape is applying the technology to existing buildings and new developments, with installations ranging from residential properties to municipal and commercial projects.

Technology and Product
Enerdrape® panels act as heat exchangers between underground structures and a circulating heat-transfer fluid. Mounted on walls in spaces such as car parks and tunnels, they absorb thermal energy from the surrounding ground and can additionally recover residual heat from the underground environment. An integrated hydraulic circuit carries the captured energy towards the building's energy system, where it is transferred to a heat pump for use in space heating or hot-water production. The system can also support cooling, allowing the same underground surfaces to contribute to thermal management across different seasons. Because the panels are modular and installed on existing surfaces, capacity can be adapted by varying the number of units without requiring geothermal boreholes or excavation.

Industrial Fit and Applications
Dense urban environments provide a natural setting for Enerdrape's technology, as underground infrastructure is widespread while space for conventional geothermal installations can be limited. The panels can be retrofitted to existing buildings or integrated into new developments, with installations scaled to available wall area and thermal demand. Applications include residential, commercial, and municipal buildings. Current projects include installations for Paris Habitat, the City of Lancy, Realstone, and Coop Immobilier. In Paris, 145 panels installed in an underground car park contribute to the domestic hot-water supply of a 72-home residential building.

Founding and Management Team
Enerdrape originated from research at EPFL and was founded in 2021 by Margaux Peltier, Alessandro Rotta Loria, and Lyesse Laloui. Peltier, a building and energy engineer, leads the Lausanne-based company as CEO, while CTO Rotta Loria brings expertise in geotechnical engineering and underground energy systems. Their work has developed the original research concept into a commercial geothermal-panel platform for the built environment.


© Enerdrape
Enerdrape's modular geothermal panels incorporate hydraulic circuits for capturing and transferring thermal energy.


© Enerdrape
Enerdrape® panels installed along the walls of an underground car park, turning existing subsurface surfaces into sources of thermal energy.


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The Enerdrape team with co-founders Margaux Peltier and Alessandro Rotta Loria (first and sixth from left).

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