SUSTAINABLE

ECO-MINING





BiXBiT

OPERATIONAL PROBLEMS OF MINERS

Miners face typical difficulties with computing equipment. These are the inability to overclock equipment, overheating, monthly interruption for scheduled maintenance, hardware rapid wear and tear, regular replacement of consumables and etc. Users are unaware of the advanced technology that allows to instantly eliminate each of these problems.

Air cooling is one of the most common and inefficient. However, the vast majority of cryptocurrency miners use it with mining equipment out-of-the-box.

95%

OF USERS

mine cryptocurrency
inefficiently



Hermeticity

getting dust, sand and insects into devices



Cooling

uneven chips cooling of devices



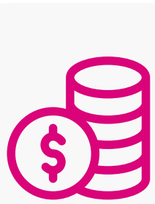
Risks

intense overheating can lead to ignition



Overclocking

inability to steadily increase chip frequency



Expenses

constant maintenance and component replacement costs



Noise and vibration

causes hearing problems for personnel, leads to chip failures



Ventilation

installation of expensive ventilation and air conditioning systems



Corrosion

air humidity and temperature fluctuations have a negative effect on equipment components

INSTEAD OF THE EXPECTED INCOME THE MINING FARM CAUSES LOST REVENUE

- due to monthly shutdowns for maintenance, a farm of 1,000 Antminers S17+ has an annual loss of **$120,000** on average;
- the risk of a fire that could destroy **the entire farm**;
- inability to reuse the heat generated by the miners;
- the cost of repairing equipment and shutting down some capacities during hot periods, as cooling may not be able to cope with the heat.

35%

OF PERFORMANCE

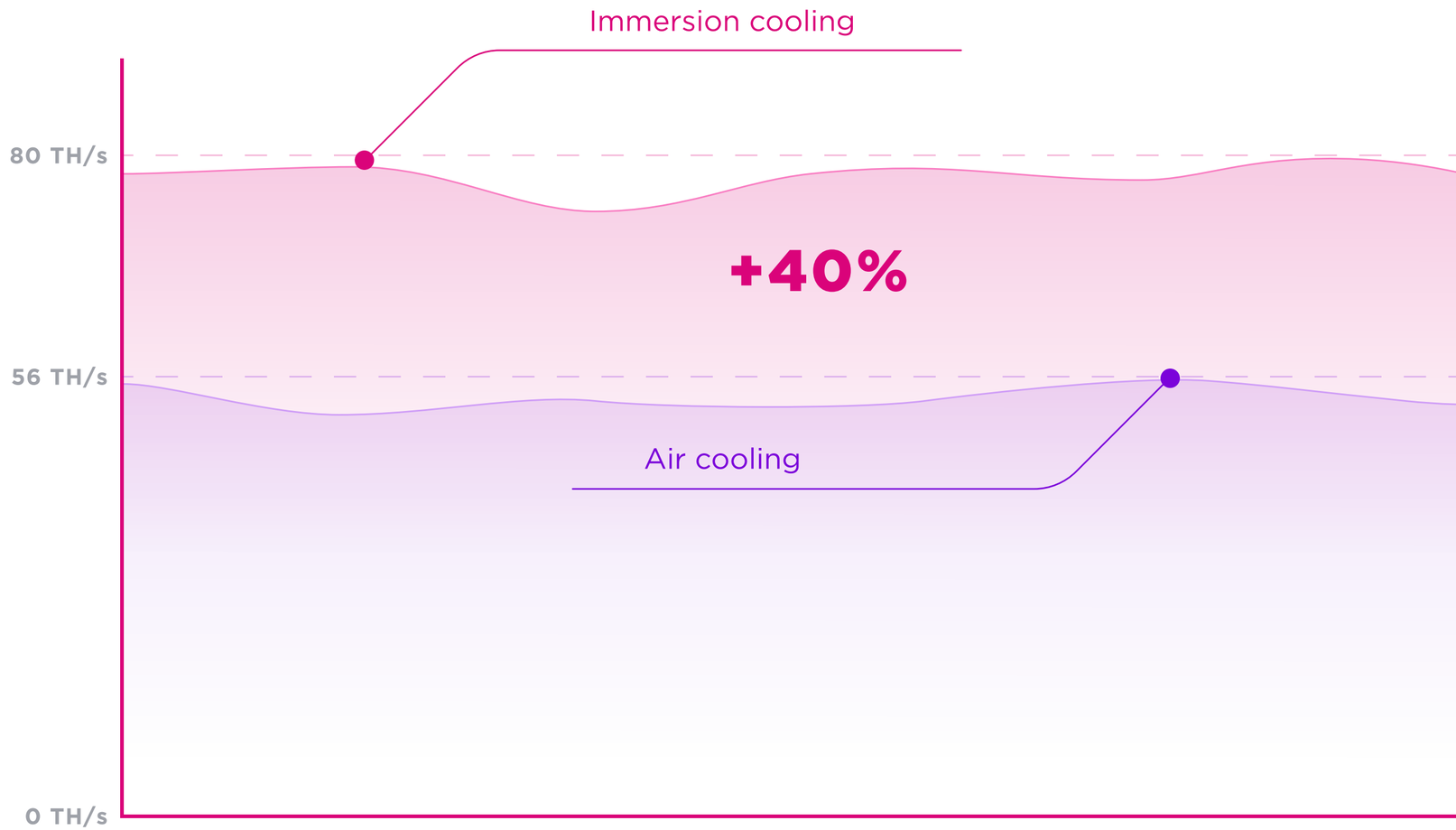
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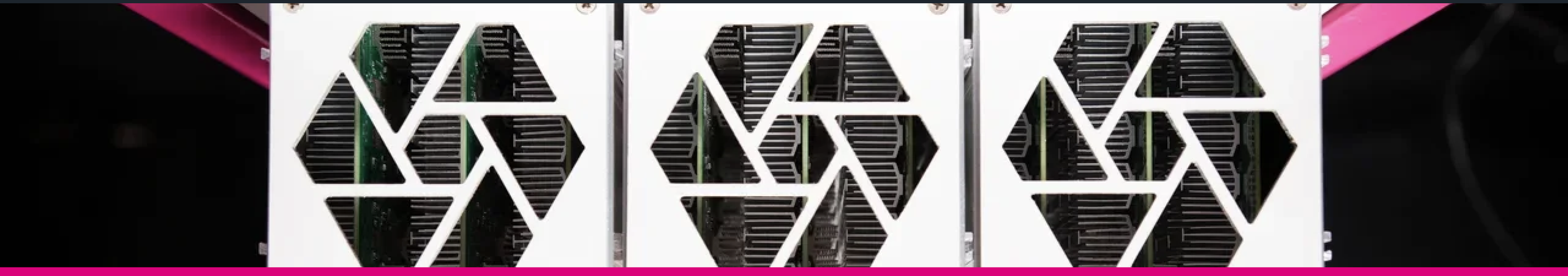
every month

BiXBiT MAKES OVERCLOCKING POSSIBLE FOR EVERYONE

BiXBiT has been solving the problems of miners since 2016. Back then, we have faced all the difficulties of mining cryptocurrencies with air-cooled equipment.

After a series of experiments, our engineers decided to use single-phase immersion cooling as the most reasonable one. Combined with the optimal dielectric fluid, an ideal infrastructure for miners was created, suitable for both home users and owners of large cryptocurrency mining facilities.





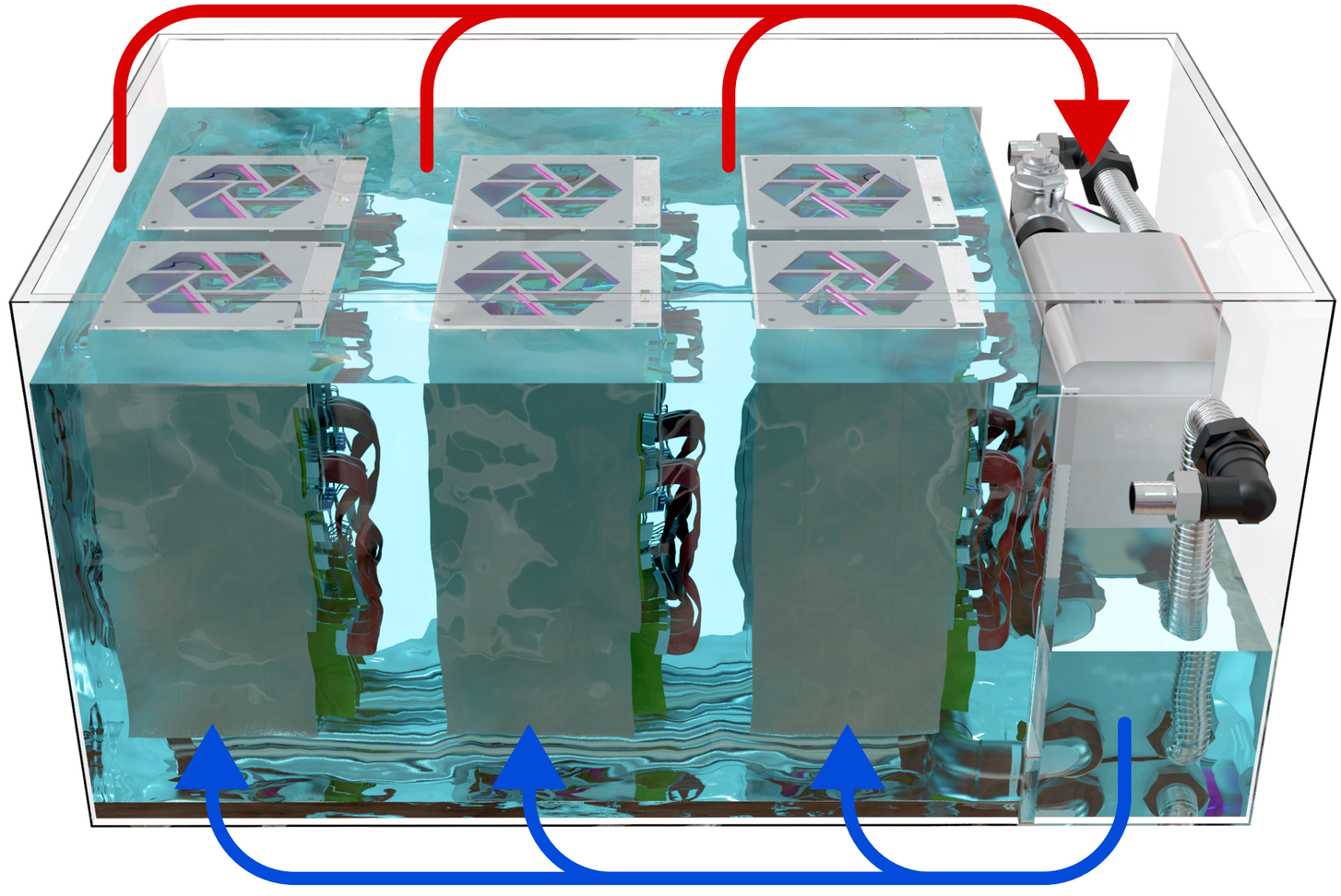
THE BiXBiT SYSTEM:

- Increases mining equipment performance by up to **+50%** over their initial values;
- Eliminates noise from devices and protects against dust ingress;
- Cools all chips evenly through the dielectric liquid and thermostable medium;
- Allows reuse of the generated heat from the equipment **in the required amount** (water heating, recuperation for business needs, breeding of exotic animals and plants, etc.);
- Extends the lifespan of the devices by about **2 times** due to the favorable environment of the coolant;
- Offers standalone and scalable solutions, allowing them to be deployed in the most challenging locations with severe climates;
- Provides easy maintenance, reliable control and monitoring services;
- Is an environmentally friendly solution with only heat as a byproduct.

IMMERSION COOLING
IS EASY

Immersion cooling means that the electronic components of the computing equipment are completely immersed in a dielectric fluid. We use a dielectric non-polymerizing coolant with specific properties to cool the mining equipment.

We also apply our own technology of natural and forced convection combined with the vertical placement of the equipment. It ensures thermal stability and allows flexible capacity scaling from a home mining cell to a rack or container version for larger projects.



IMMERSION STARTS HERE

The cell is a compact and practical entry-level solution, a ready-made home mining farm with the possibility of smart heat utilization. It is made of a durable material, resistant to corrosion. The density of equipment is 2-3 times higher compared to air-cooled systems. Supports both full and partial heat utilization. Can be used for heating detached houses.



Advantages:

- high-quality components;
- consistent cooling;
- all wiring is hidden inside the case.

VERSATILE SOLUTION

The rack is suitable for small facilities and retail warehouses, increasing the profitability of small/ medium businesses and their diversification by reducing hot water heating costs. Consists of cells in a vertical layout. Does not require complex and expensive air conditioning or air filtration systems.

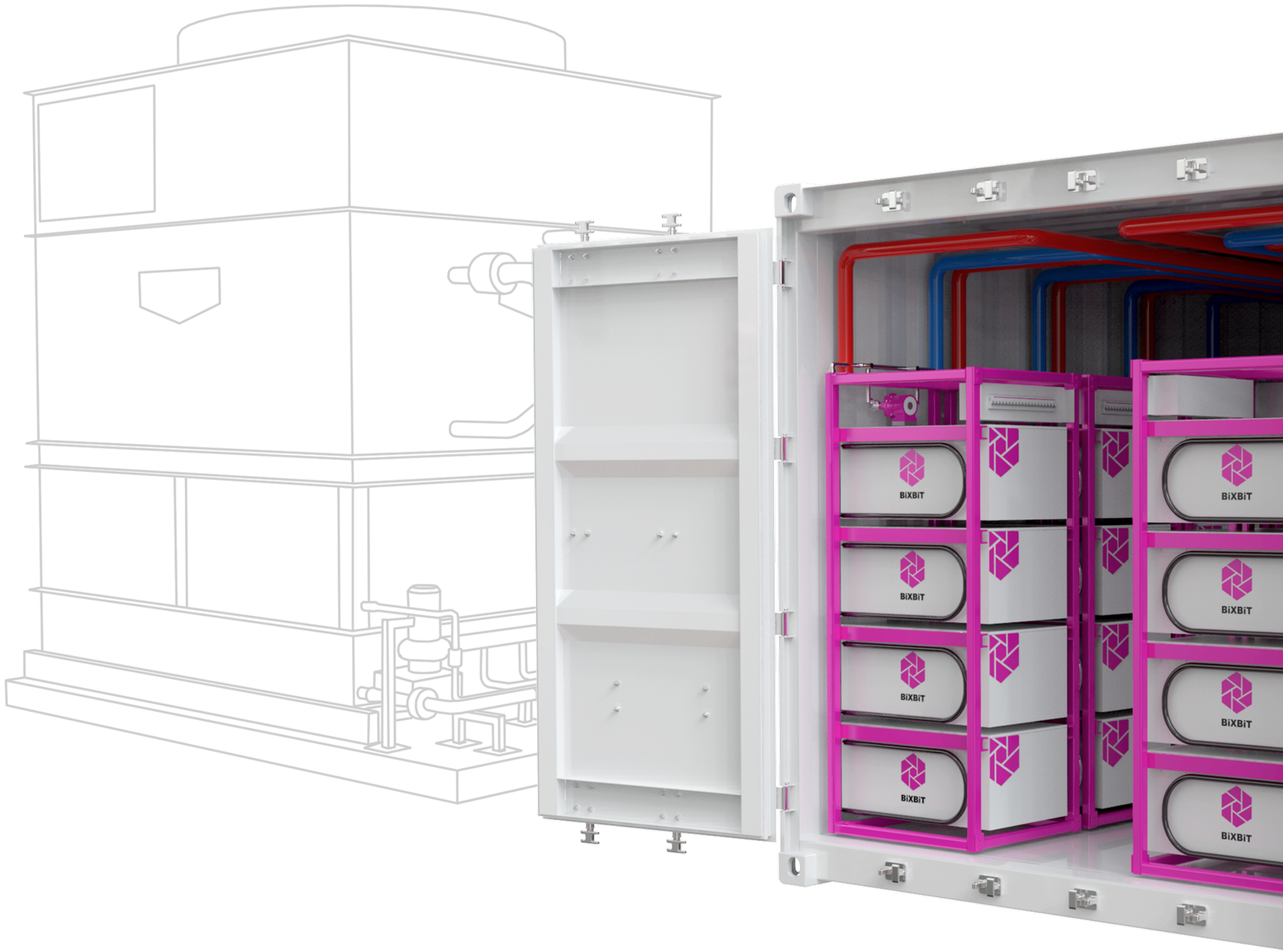
Advantages:

- space saving;
- quick access to equipment;
- consists of four independent cells.



SUPERIOR MINING

The container is designed for launching mining hotels and large infrastructure projects on immersion cooling near excess and renewable energy sources (nuclear power plants, hydroelectric power plants, wind turbines and solar panels). Mining capacities are hosted in a standard shipping container (ISO-container). It is possible to use both new and used equipment.



Advantages:

- unlimited scalability;
- custom configuration;
- mobility.

20+

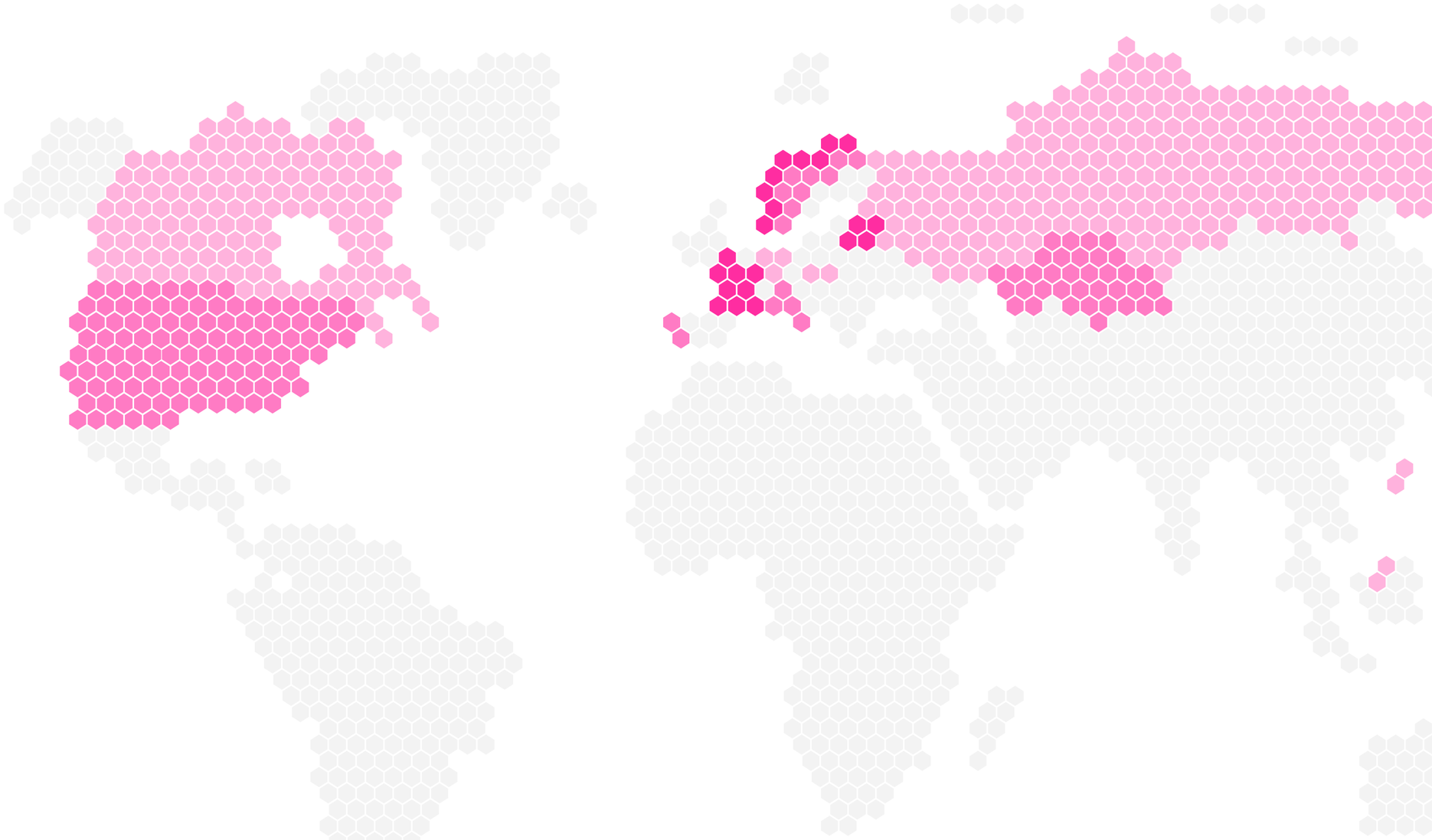
MW have been deployed

Our installations can be found in regions with severe climatic conditions, such as Brunei or the Russian Far East.



15+

COUNTRIES



The most popular
product is the rack for

24 S17

Total mining processing power is

340 PH/s

Equipment is supplied to Canada, Kazakhstan, Italy, New Zealand, Norway, Portugal, Russia, Slovakia, USA, Taiwan, France, Sweden.

200%

PROFIT

you get with **BiXBiT**

+50%

additional performance of miners

Protection

against fire, dust, dirt and water

Density

maximum miner placement rate

Direct supplies

from manufacturers of mining equipment

Branded software

improves performance

"Turnkey"

from design to maintenance

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