

Shaping the digital transformation of industrial power distribution

Unlock the full potential of your energy data – with the MindSphere Application Center for Internet of Energy

Did you know?

500
billion kWh

is wasted through inefficient energy use in the industry.



24%

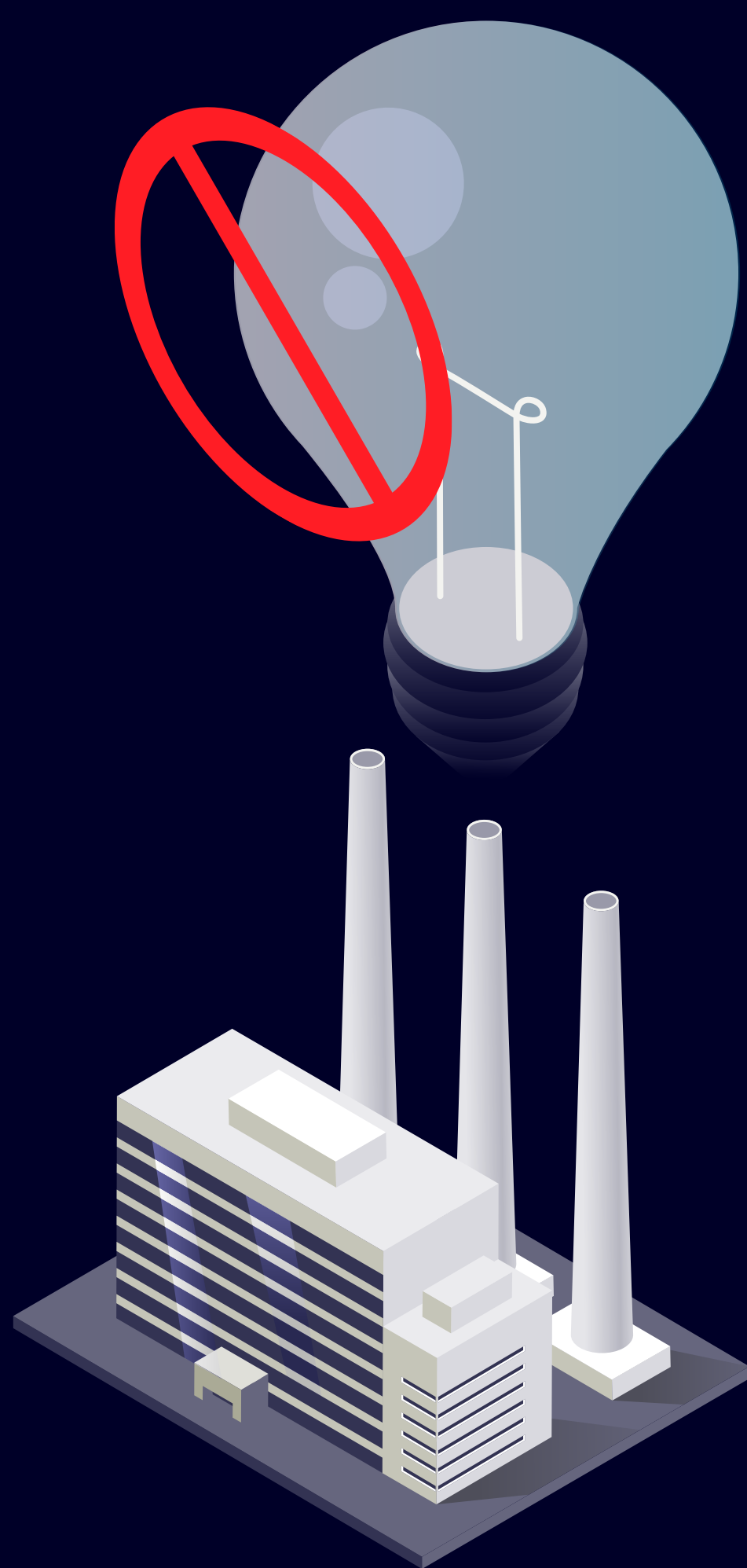
of CO₂ emissions

are created by the industrial sector.



60%

of all industrial companies have had at least **1 power outage** in the last 5 years.



2 out of 3

network quality violations lead to **production failure** or **machine damage**.

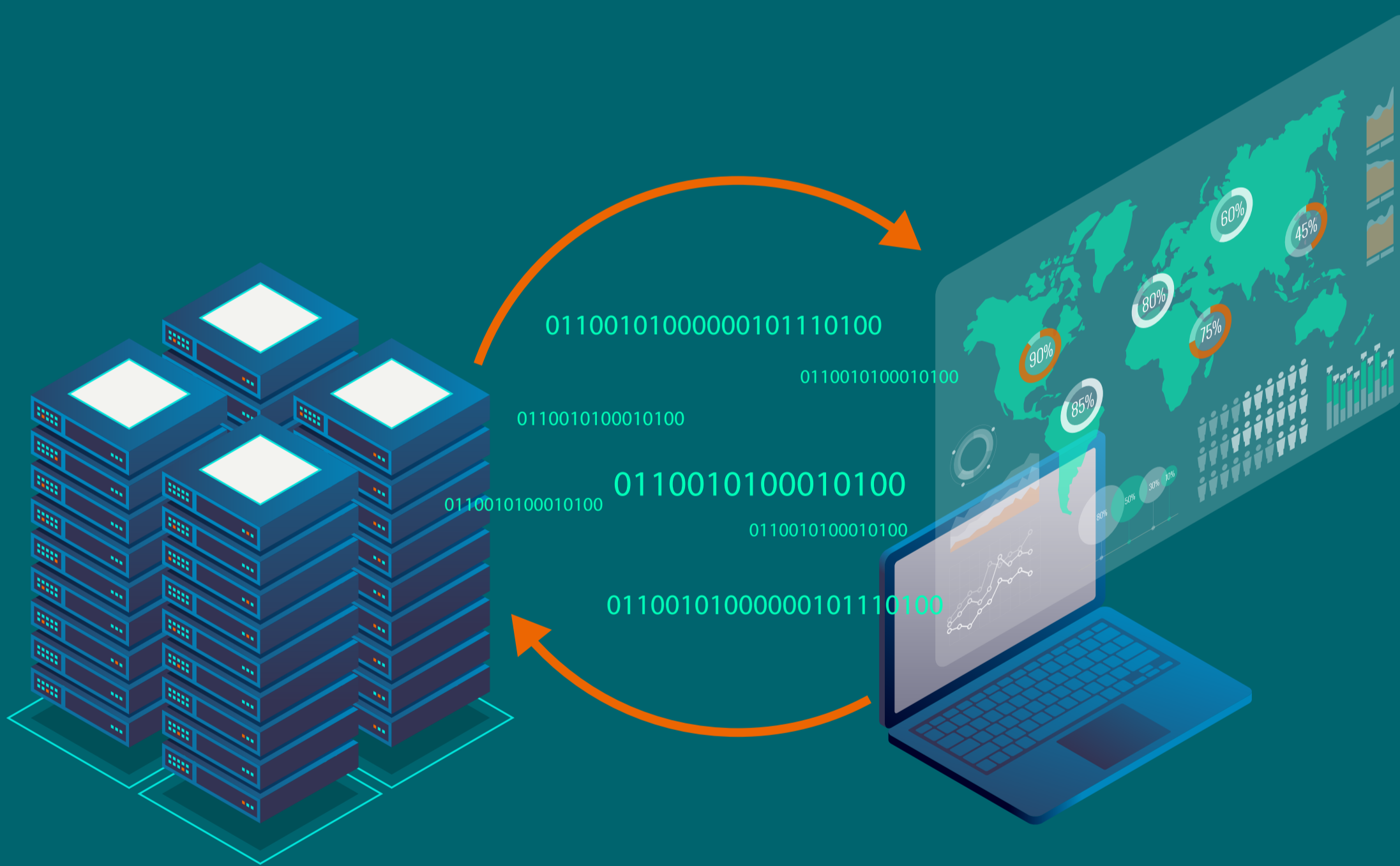


The market challenges are getting tougher. Let's tackle them as a team.

The **planning and operation** of industrial power distribution is becoming more and more complex.



The **technical requirements** for underlying systems and products are increasing, especially in terms of their flexibility, communication, and integration capability.



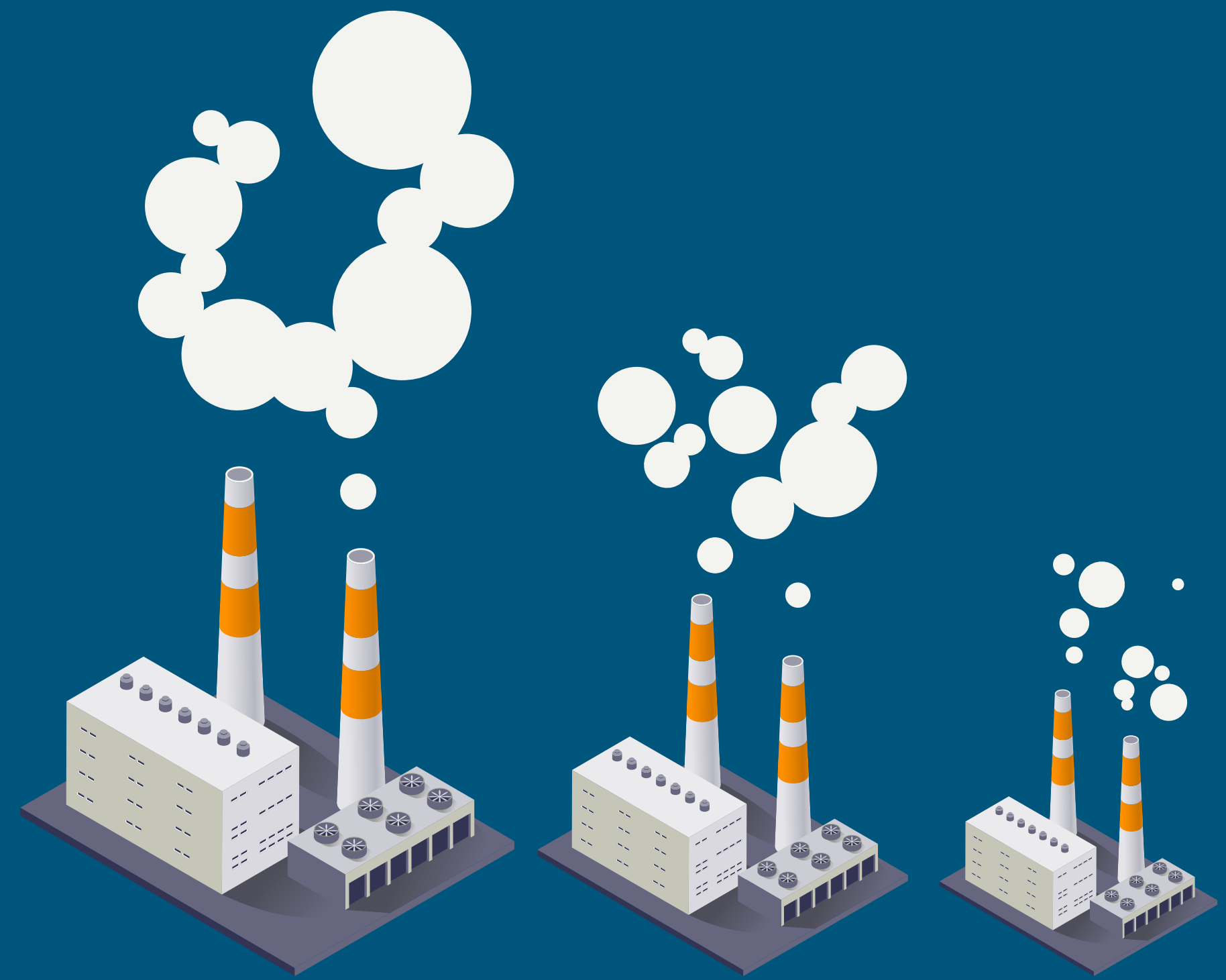
Hardware and software, intelligent data management, and a data-based engineering process need to **work smoothly together** to optimally support dynamic industry operations.

Using **energy data intelligently** is a critical strategy for any industry to add value to its business.



Energy data adds value in your industry.

Discover new opportunities.



Lower energy costs

Take energy-saving measures derived from transparent consumption data:

- Detect and prevent energy waste.
- Detect idle time.

Reduced CO₂ emissions

Increase share of renewables:

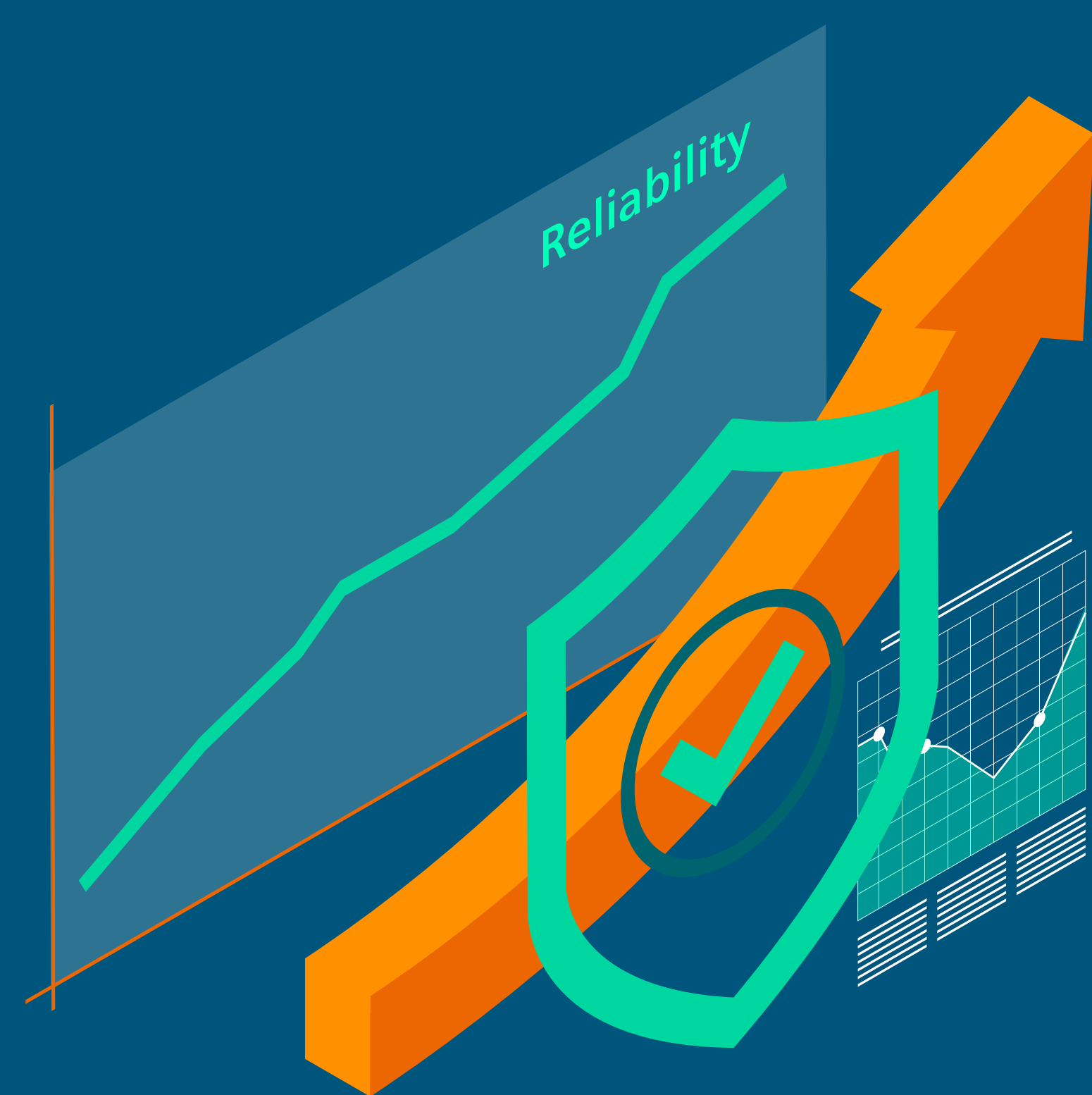
- Encourage use of distributed renewable energy resources and battery storage.
- Manage demand and supply of decentralized energy.



Less downtime

Increase reliability of power distribution:

- Predict maintenance needs.
- Predict malfunction of power distribution.



Increased process reliability

Prevent asset malfunctions and failures:

- Increase equipment lifetime through early detection of power quality violations.

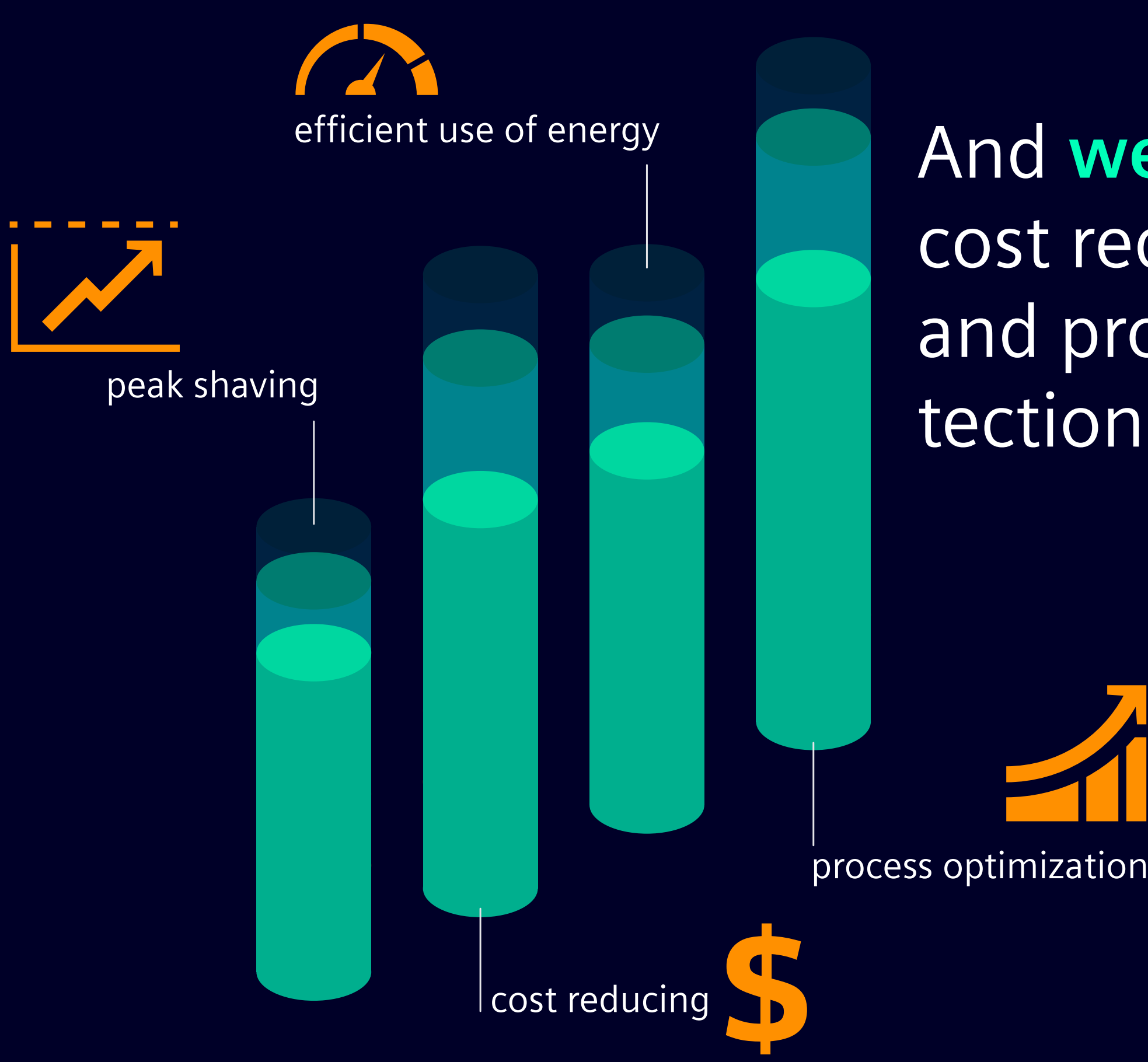
MindSphere Application Center for Internet of Energy

Your partner for turning energy data into value

We **unlock value** by combining your data and operational know-how with our in-depth knowledge and technical expertise.

We do this by sharing our technical expertise in:

- secure connection of devices
- digital transformation of energy management
- data management and analytics
- data insights through proven applications



And **we support you** with peak shaving, cost reducing, efficient use of energy, and process optimizations like failure detection.

Co-creation workshops where we help you find your gain and pain points



Comprehensive data analytics engine for data-driven root-cause analysis and recommendations for action

Digital experience rooms for a hands-on approach to rapid integration in MindSphere



1 to 6 months of testing and gaining new insights from your energy data in the Siemens software environment at a low cost and with full support from experts

Let's work together: As a team we'll get the most from your energy data!

www.siemens.com/mac-ioe