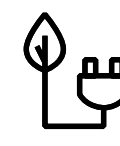ABB

Industrial sustainability: more efforts needed

ABB Ability™ Energy Management System for industries helps effectively manage, predict and optimize the use of various energy types - WAGES[1].

This isolution is the best fit for customers who want to leverage spot price volatility, reduce their use of energy from traditional providers in favor of own sources, byproduct recovery and renewables . They can make data-driven decisions about environmental, financial, operational, and cost / benefit trade-offs.

Energy cost savings of up to 15%

Purpose-built for your site
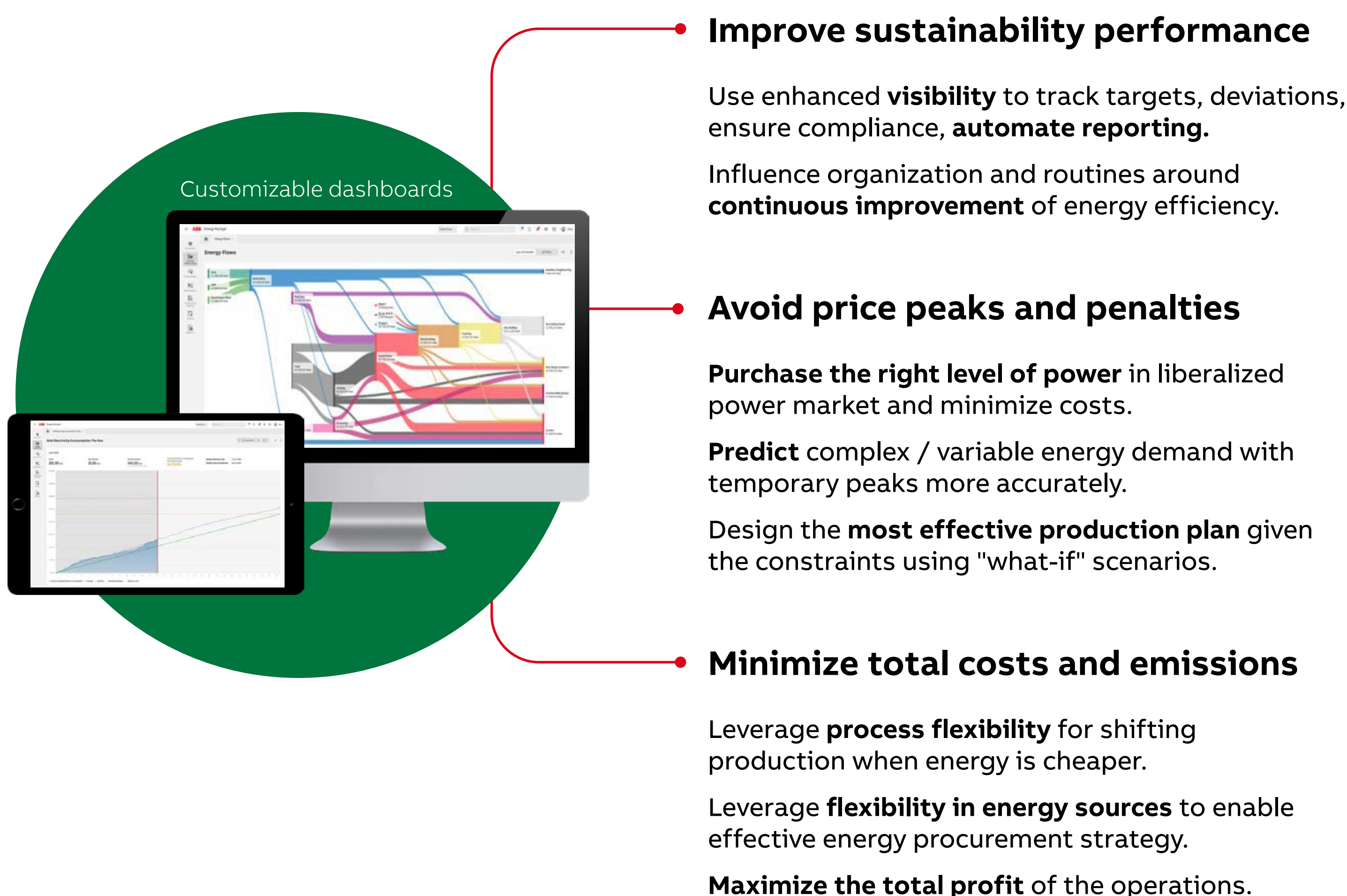
ISO 50001-certified

Did you know that:

70%
industrial emissions have risen by more than 70% since 2000. Emissions must decline by 3% per year to get on track with NetZero[2]
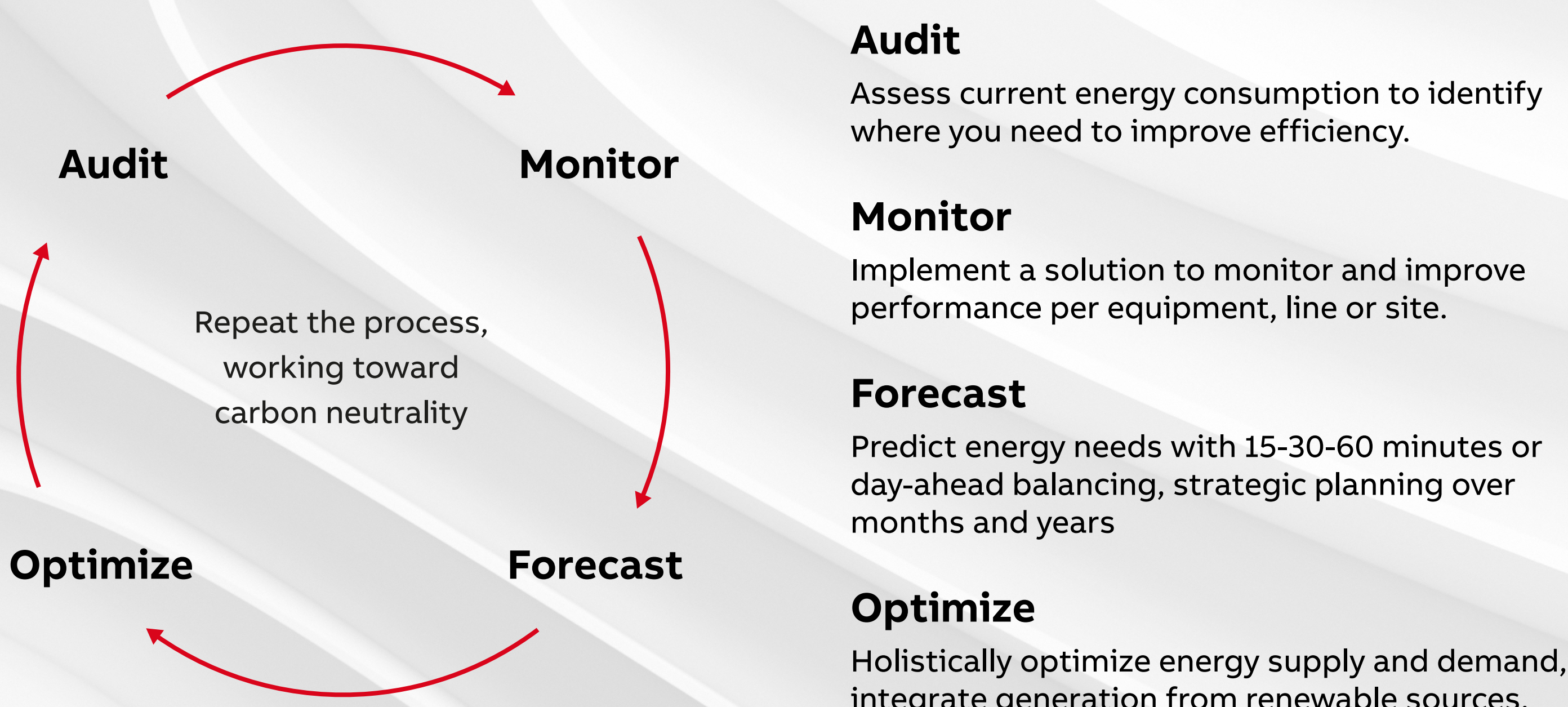
72%
According to ABB survey, 72% of companies are increasing investment in Industrial IoT specifically to address sustainability aims[3]

Ready to reduce costs and promote a greener future?

Customizable dashboards

Improve sustainability performance
Use enhanced **visibility** to track targets, deviations, ensure compliance, **automate reporting.**

Influence organization and routines around **continuous improvement** of energy efficiency.

Avoid price peaks and penalties
Purchase the right level of power in liberalized power market and minimize costs.

Predict complex / variable energy demand with temporary peaks more accurately.

Design the **most effective production plan** given the constraints using "what-if" scenarios.

Minimize total costs and emissions
Leverage **process flexibility** for shifting production when energy is cheaper.

Leverage **flexibility in energy sources** to enable effective energy procurement strategy.

Maximize the total profit of the operations.

The digital journey to sustainability
Powered by ABB Ability™ Energy Management System for industries

Audit → Monitor

Repeat the process, working toward carbon neutrality

Optimize ← Forecast

Audit
Assess current energy consumption to identify where you need to improve efficiency.

Monitor
Implement a solution to monitor and improve performance per equipment, line or site.

Forecast
Predict energy needs with 15-30-60 minutes or day-ahead balancing, strategic planning over months and years

Optimize
Holistically optimize energy supply and demand, integrate generation from renewable sources.

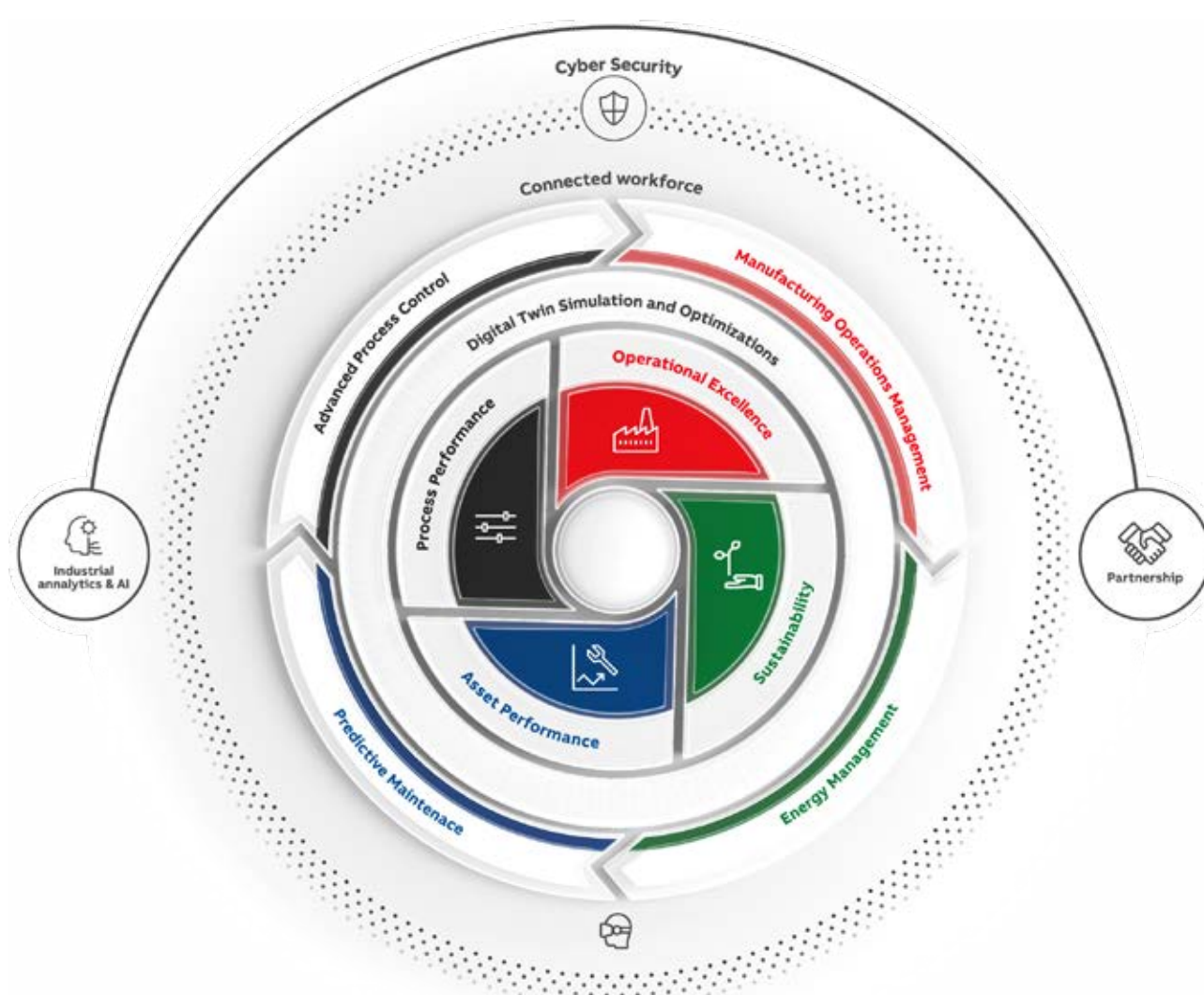## Embed sustainability at your core, set ambitious targets. Realize your full potential through systems integration.

ABB Industrial Software

ABB has 130+ years of experience in Mining, Cement, Pulp & Paper, Metals, Power, Food & Beverage and Manufacturing, with on-going lifecycle services post-delivery and global support capabilities . ABB also leads by example. We have currently identified areas that can reduce our CO2 emissions by at least 80 percent and as technologies evolve, we will continuously seek opportunities to do more.

Start your journey to sustainability today

Learn more

See the results we get for our industrial clients and the most popular use cases around energy monitoring, planning, forecasting and optimization. Reach out to ABB using the "Contact us" button on **this page**.

1. WAGES = water, air, gas, electricity and steam.   2. International Energy Agency Industry Report   3. ABB study