



Smart solutions for smart infrastructure

ABB supports you on your journey to a smart future





\$ 13.5 trillion

of investment is required in energy efficiency and low carbon technologies before 2030 if the world is to meet the climate change targets set by the Paris Agreement.

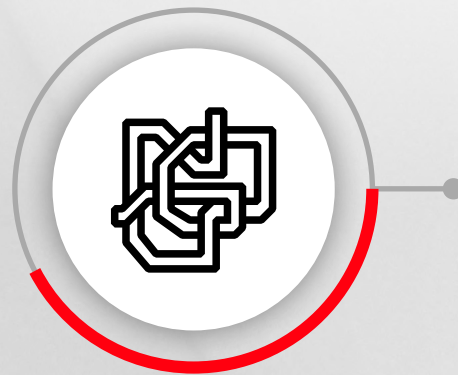
Sustainability is currently one of the main driving forces behind infrastructure investment. If we are to meet the ambitious targets that have been set, we need to make the most of the new smarter digital technologies available.

ABB provides solutions and services that improve quality of life, efficiency and the competitiveness of urban operations. Our mission is to electrify the world in a way that's safer, smarter and more sustainable.

Industry infrastructure is changing

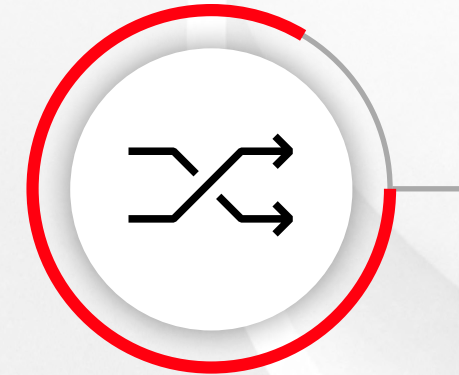
Rapid urbanization, digital transformation and increased electrification have forced industrial organizations to change their focus.

We are moving from an era of complex logistics and a siloed ecosystem to an age of customer-centric business practices. This new solutions-based approach will meet higher expectations around digitalization, smart buildings and operational efficiency.



Before

- **Lack of standardization** leads to a project-based approach to meeting customer demands for bespoke solutions.
- **Complex logistics** with scattered value chains and a siloed ecosystem.
- **Extensive local regulation** resulting in increased complexity.




After

- Increasing sophistication leads to more focus on TCO and a **solution-based approach**.
- **A customer-centered business** approach supported by increasing digitalization.
- **Internationalization** leads to more standardization and improved logistical outcomes.

ABB Electrification – what we do

With over 130 years of excellence in electrification behind us, we are a global leader in smart infrastructure solutions.

We electrify the future for industries, public services and communities. With our global presence, we are able to offer a dedicated service in your local market, speaking your language.



Working at over
200
manufacturing sites

53,000 talented
employees

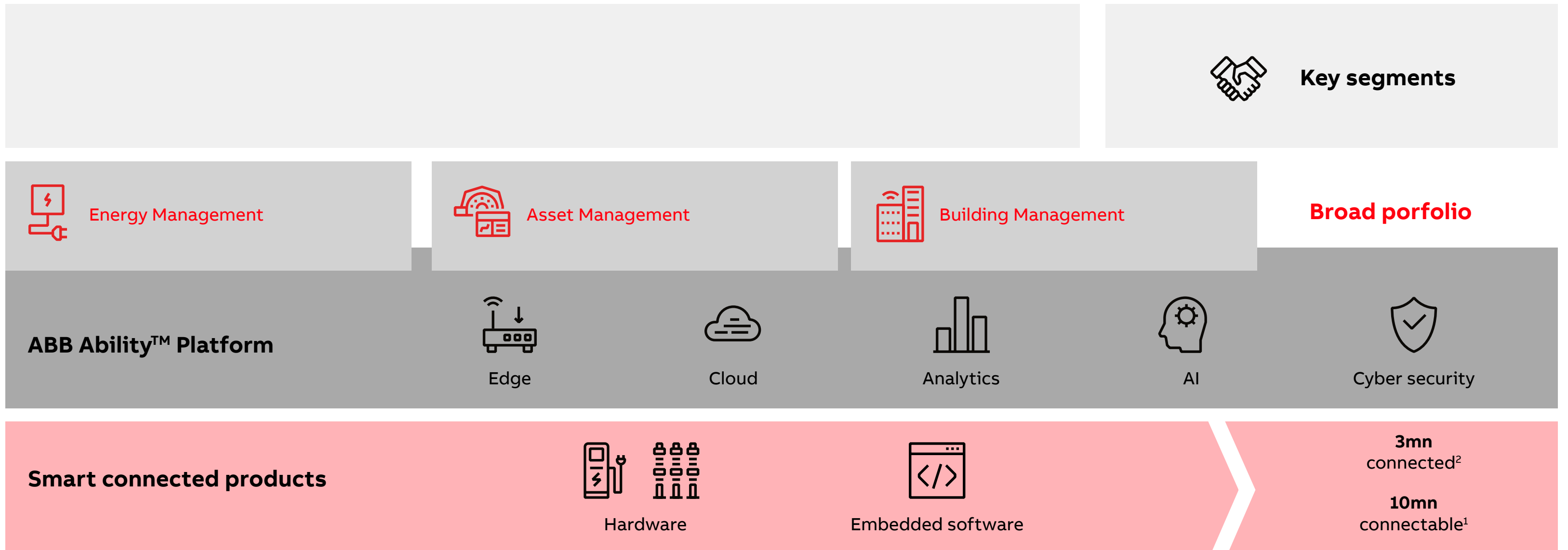


In more than
100 countries

Expertise in Airports, Water, Land, Ports and Telecommunications.

ABB's smart ecosystem

We offer digitally connected solutions to help you manage and operate your infrastructure in a smart and efficient way.



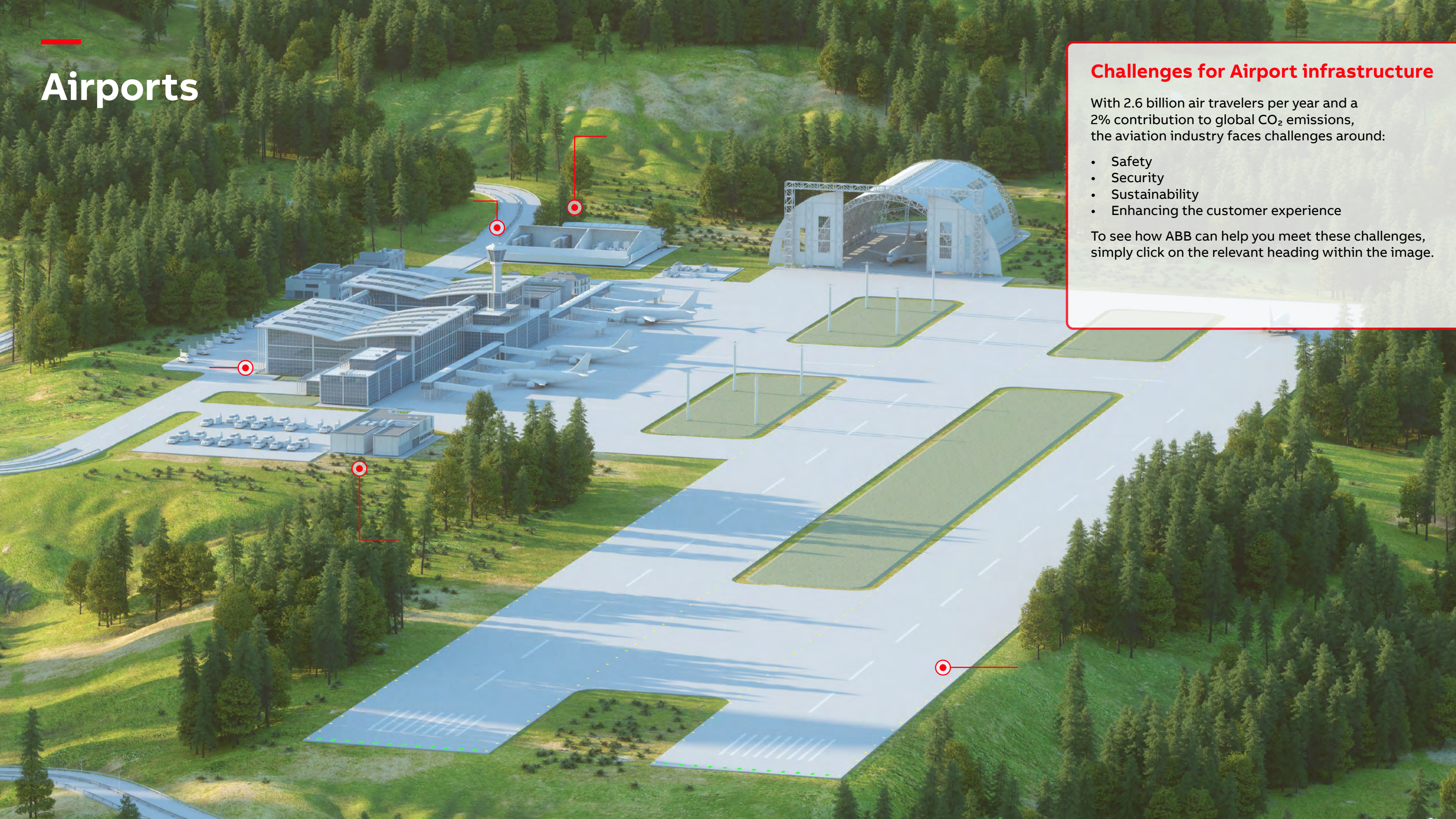
Airports

Challenges for Airport infrastructure

With 2.6 billion air travelers per year and a 2% contribution to global CO₂ emissions, the aviation industry faces challenges around:

- Safety
- Security
- Sustainability
- Enhancing the customer experience

To see how ABB can help you meet these challenges, simply click on the relevant heading within the image.



Water

Challenges for Water infrastructure

Rapid population growth, industrialization and urbanization have led to water companies needing to:

- Increase efficiency - electrical energy is 50% of the operating cost of a desalination plant
- Improve water management - 30% of utility water is lost in the network from leakages
- Deliver clean, accessible water for all

To see how ABB can help you meet these challenges, simply click on the relevant heading within the image.



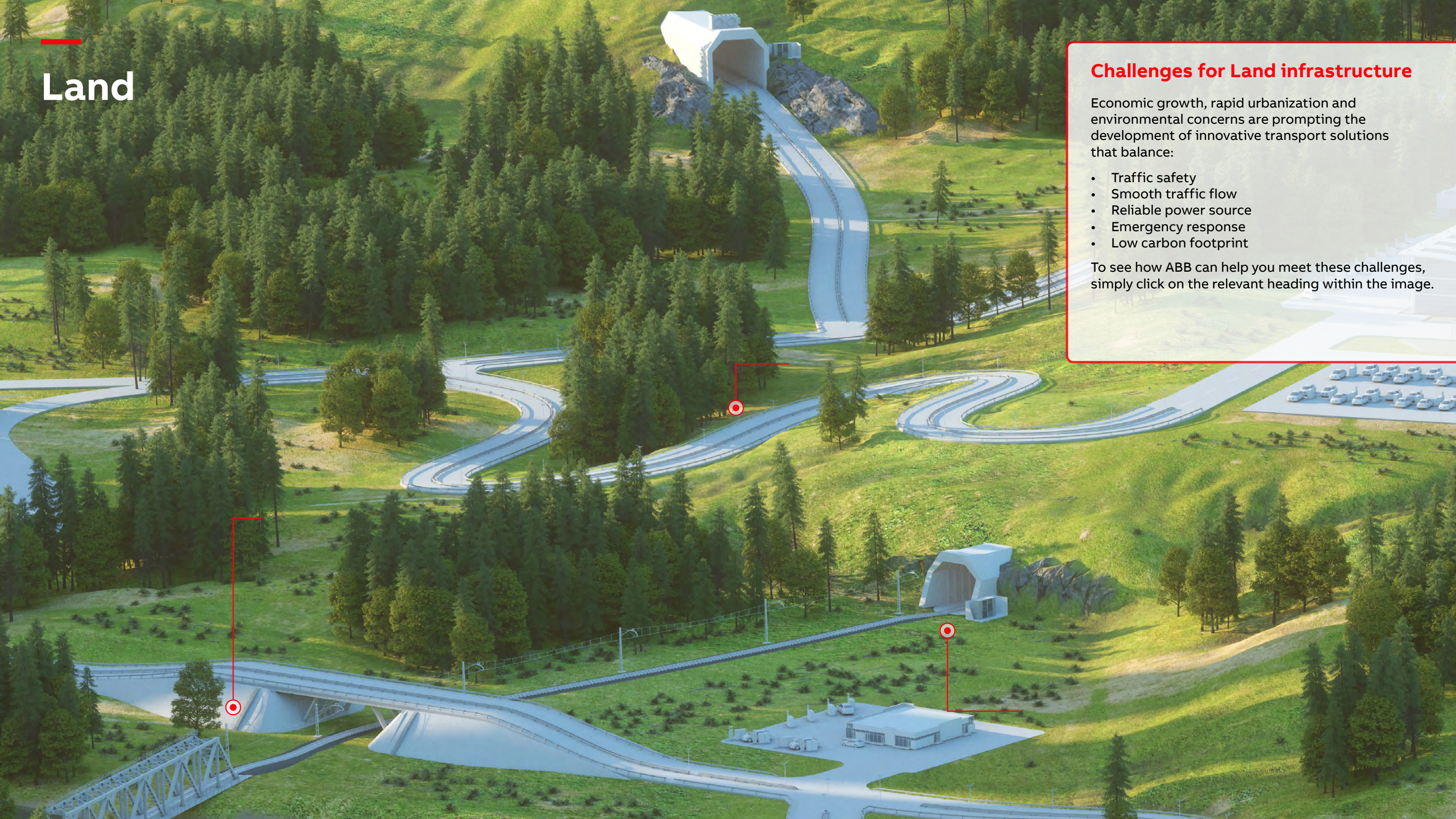
Land

Challenges for Land infrastructure

Economic growth, rapid urbanization and environmental concerns are prompting the development of innovative transport solutions that balance:

- Traffic safety
- Smooth traffic flow
- Reliable power source
- Emergency response
- Low carbon footprint

To see how ABB can help you meet these challenges, simply click on the relevant heading within the image.



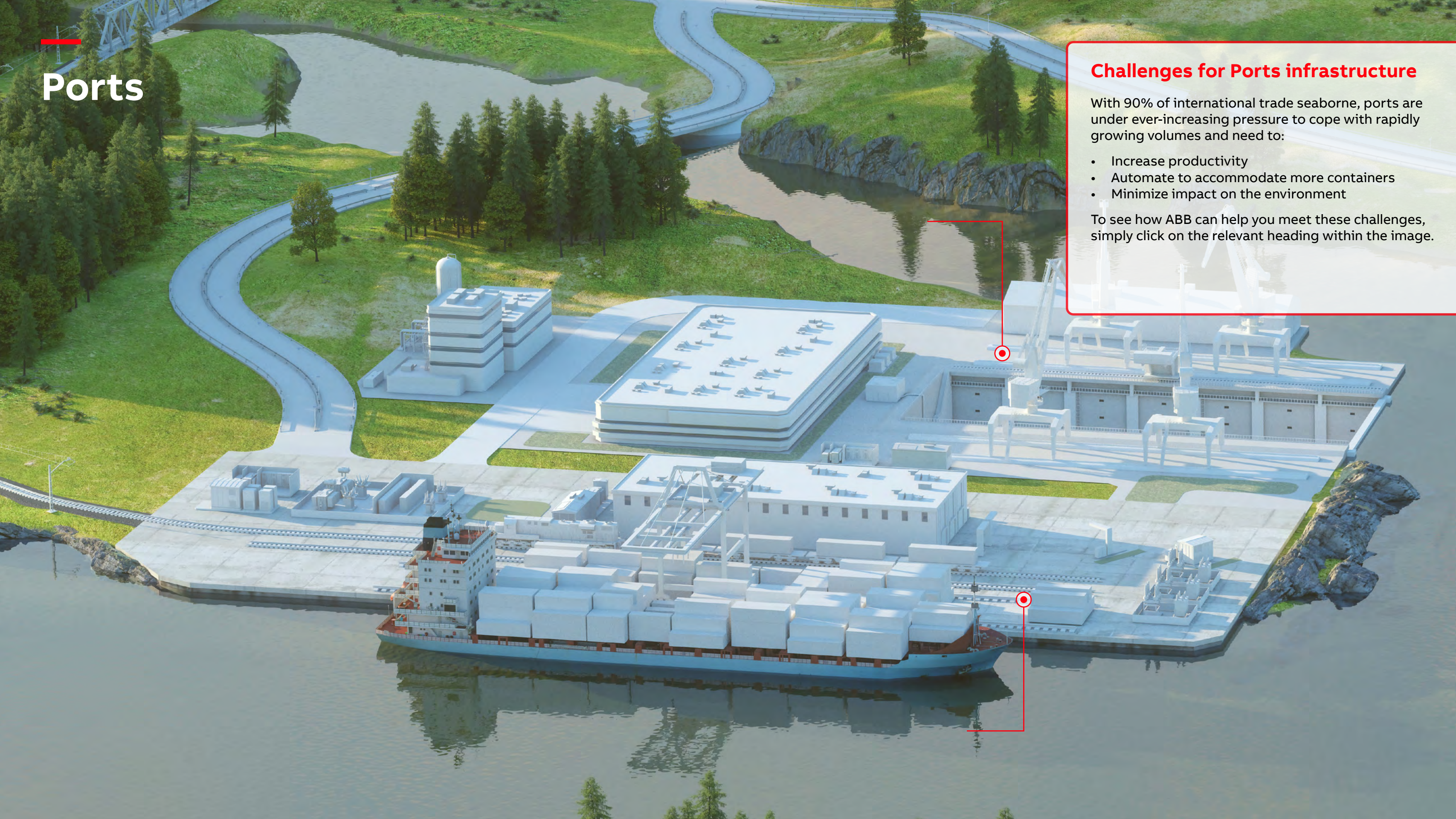
Ports

Challenges for Ports infrastructure

With 90% of international trade seaborne, ports are under ever-increasing pressure to cope with rapidly growing volumes and need to:

- Increase productivity
- Automate to accommodate more containers
- Minimize impact on the environment

To see how ABB can help you meet these challenges, simply click on the relevant heading within the image.



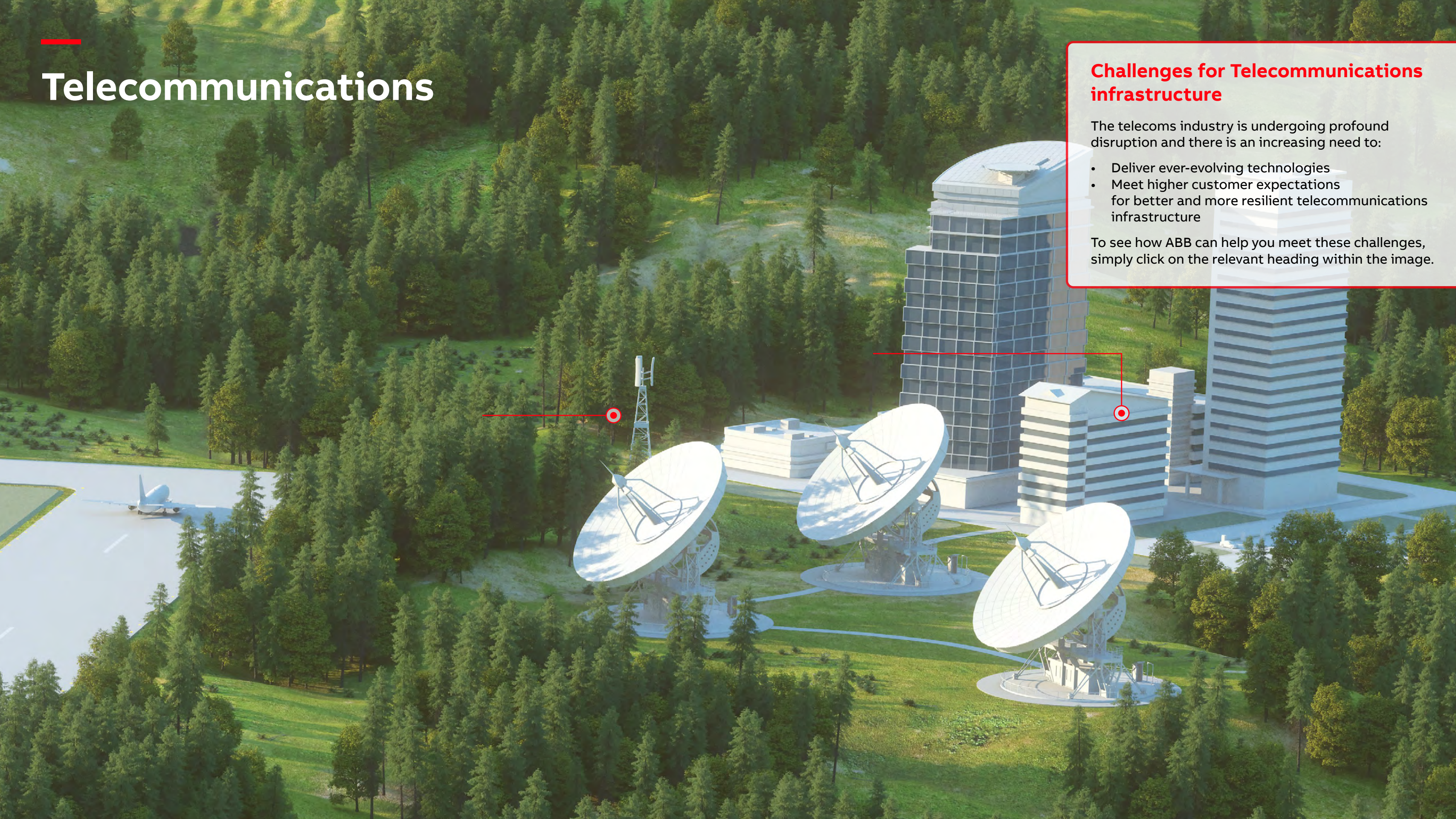
Telecommunications

Challenges for Telecommunications infrastructure

The telecoms industry is undergoing profound disruption and there is an increasing need to:

- Deliver ever-evolving technologies
- Meet higher customer expectations for better and more resilient telecommunications infrastructure

To see how ABB can help you meet these challenges, simply click on the relevant heading within the image.



Partner with ABB

Our 130 years' expertise in electrification has resulted in an ever-evolving, broad portfolio that covers every area of Asset Management, Energy Management and Building Automation.

We pride ourselves on our consultative partnership approach, and our global presence means we can offer you a dedicated local team in your region that speaks your language.

[CONTACT US](#)



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