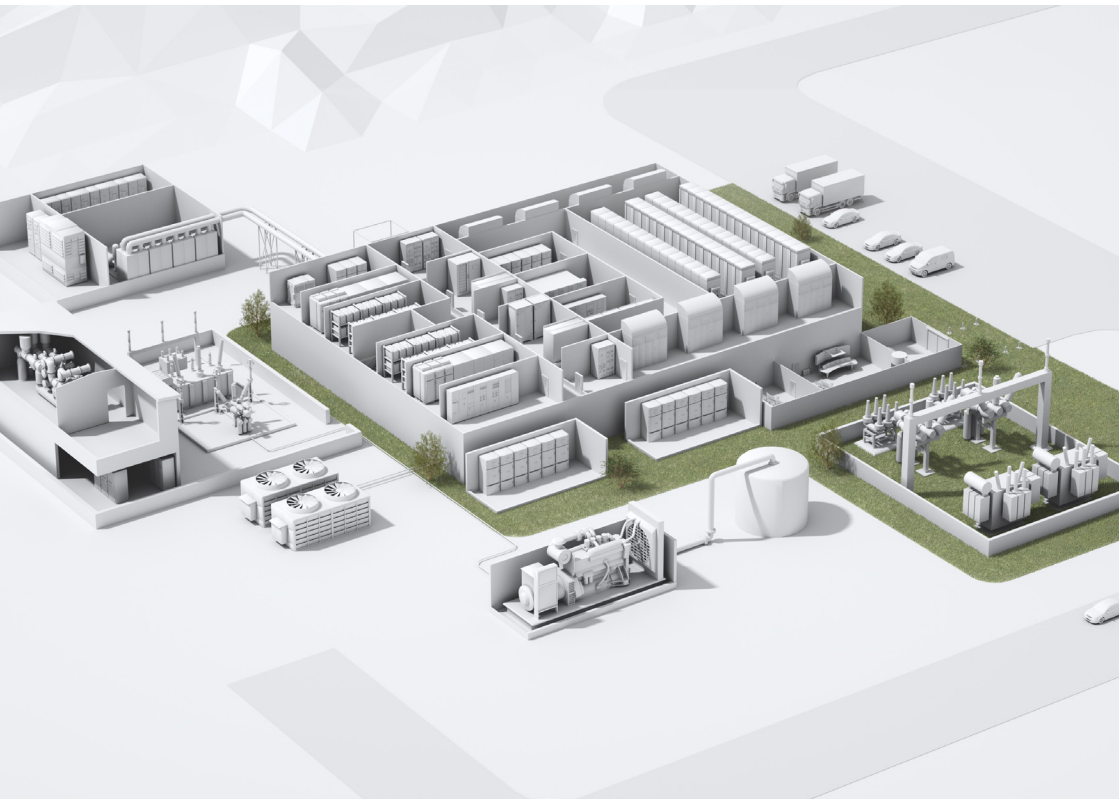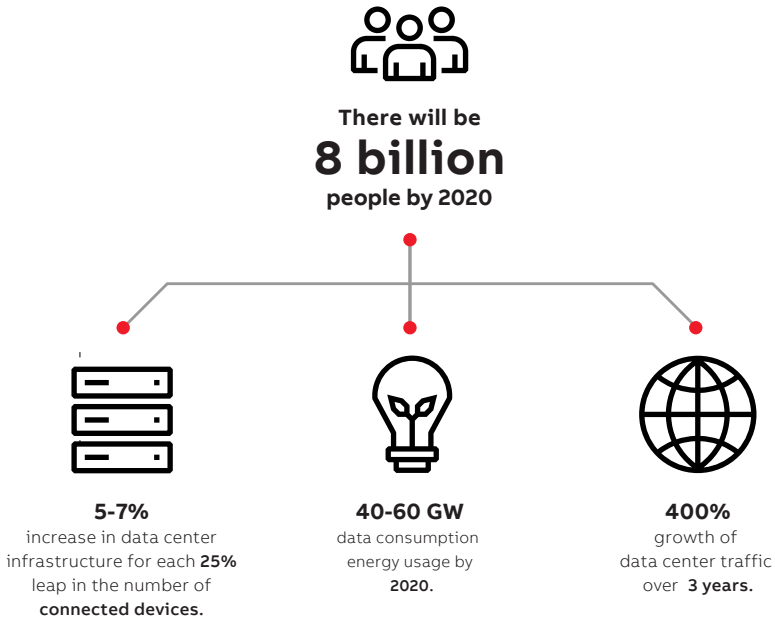—

Data centers – an exciting industry for ABB.

Our core offer to you: Intelligent data needs intelligent power.

Data centers have become a fundamental part of life and to make data centers work they need data and power. We all rely on a data center somewhere and it needs to run efficiently. The power needs to be reliable, efficient and safe. ABB provides solutions to deliver and manage power at scale for today's and tomorrow's data centers.

Trends

There will be
8 billion
people by 2020

5-7%	**40-60 GW**	**400%**
increase in data center infrastructure for each **25%** leap in the number of **connected devices.**	data consumption energy usage by **2020.**	growth of data center traffic over **3 years.**

Established technology leader
Our data center solutions and integrated systems are designed for heavy-duty applications and the world's ever-increasing data demands. We offer technologies for cloud, colocation, telecommunications and financial services customers. The advantage is clear:

• Elastic infrastructure that can grow or shrink with your demand.

• Deep visibility into your infrastructure to make automation easier.

• Intelligent grid connections to give you more choices on how you manage your energy.

Whatever challenges you may be facing, whether it's space, unpredictable demand, energy efficiency, reliability or safety & security, we have the solutions you need to overcome them.

Digital solutions
All of our technology elements are inherently smart with network connectivity, sensing and IoT functionality. This 'digitization' of the power train means operators can do more with less because better control leads to better utilization.
We call this **ABB Ability™.**

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Safe & secure

ABB is a market leader in providing technology that is inherently safe. Elements like arc flash detection, ultra-fast earthing, safe touch panel designs and lightening protection help data center operators ensure their employees and equipment are safe.
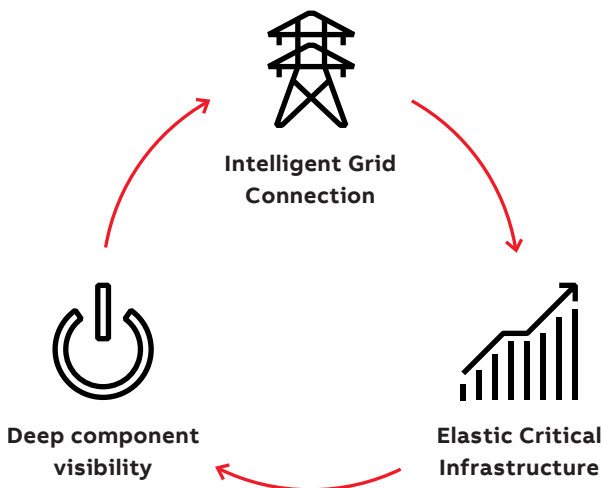
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Scalable

From conception to design all our major system solutions are designed with elasticity in mind, the infrastructure can grow or shrink with the load meaning whereas the customer doesn't have to carry any unused capacity.

Intelligent data needs intelligent power …. But what does that mean in practice?

- The future data center will have an intelligent grid connection, buying and selling energy, discriminating between grid and renewable power sources and contributing to the stability of power supply for its neighbors.

- The future data center will be able to rapidly provision critical infrastructure capacity, only run it when required and make changes without downtime. The data center will match your demand.

- The future data center will be made up of components and systems with integrated communications, sensing and intelligence. This will transform how operators run the facility, manage service operations and business risk.

—
Data & control

Intelligent Grid Connection

Elastic Critical Infrastructure
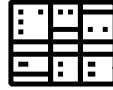
Deep component visibility
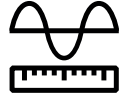
What we offer:
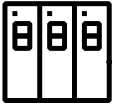
Substations & grid integration

Power Distribution & Protection

Skids or Prefab Modular

Service

MV/LV Switchgear

Motors & Drives

Automation & Control

Transformers

Just imagine how everyone is depending more and more on data, computing power and connectivity. We all rely on a data center somewhere and it needs to run efficiently. At ABB, we can help you meet the data demands of today and tomorrow. We believe our industrial heritage, broad choice of electrification & automation solutions and our commitment to sustainability will help you grow your business.

Ciaran Flanagan,
Global Segment Leader Data Centers

For more information visit:
http://new.abb.com/data-centers