



SITE MANAGEMENT – JUNE 2020

Welcome to Turgi

Onboarding of new employees

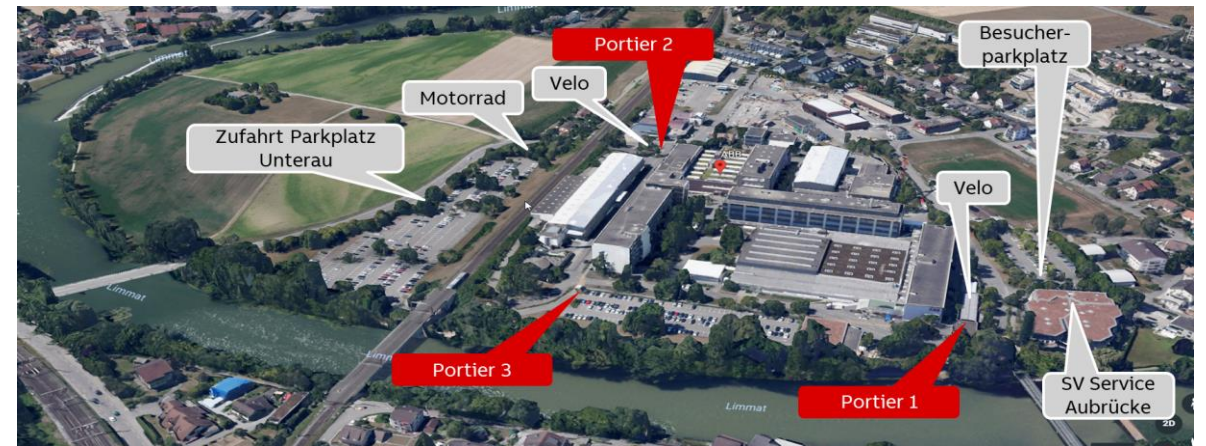
ABB

Welcome to Turgi

Safety

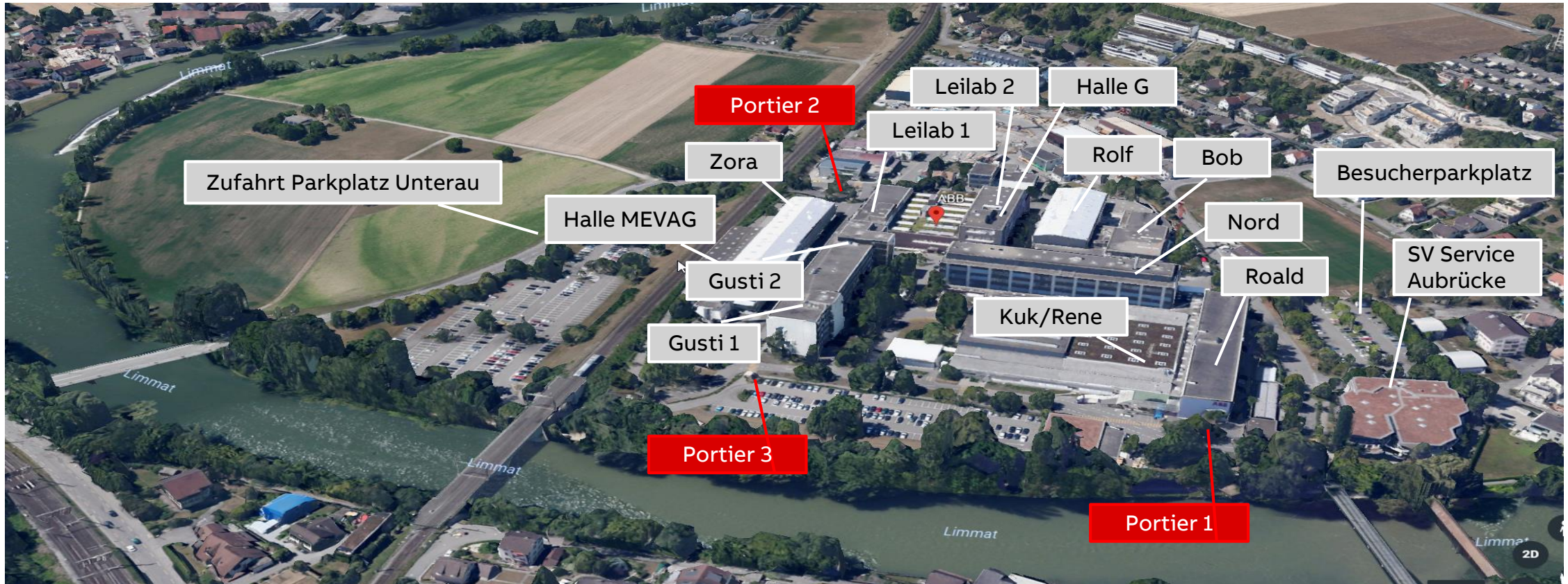


Orientation at Site



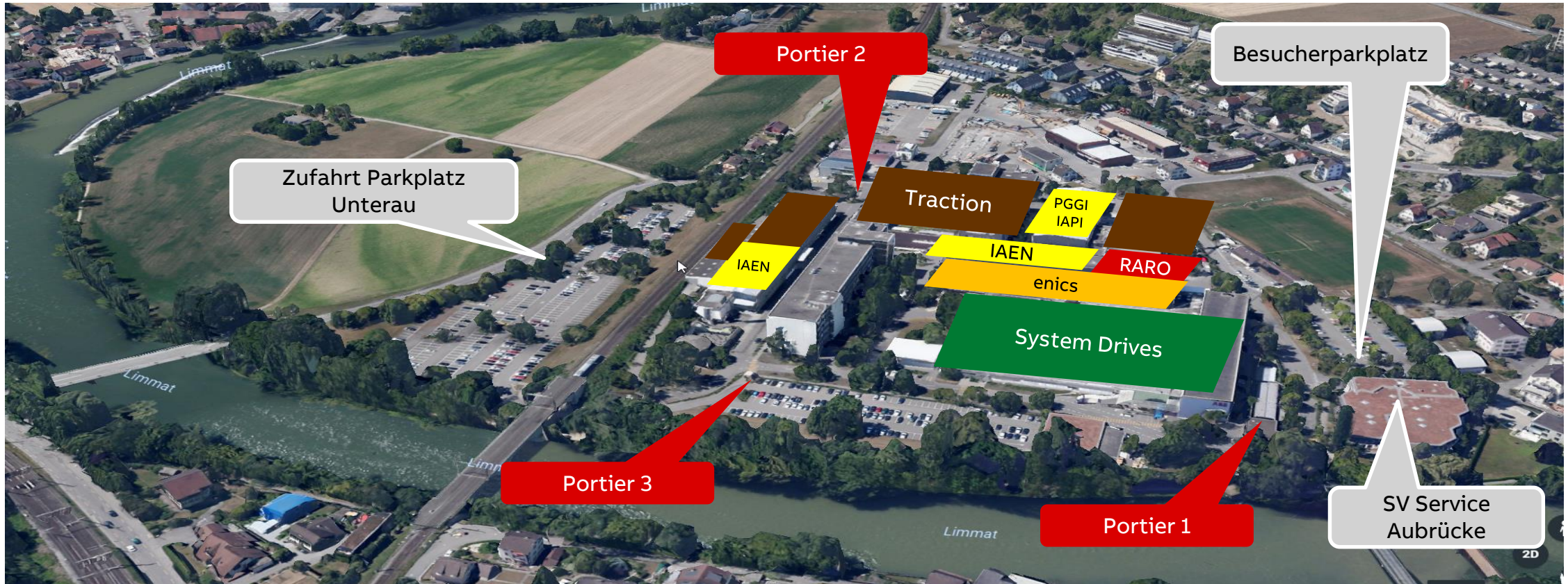
Welcome to Turgi

Orientation at Site



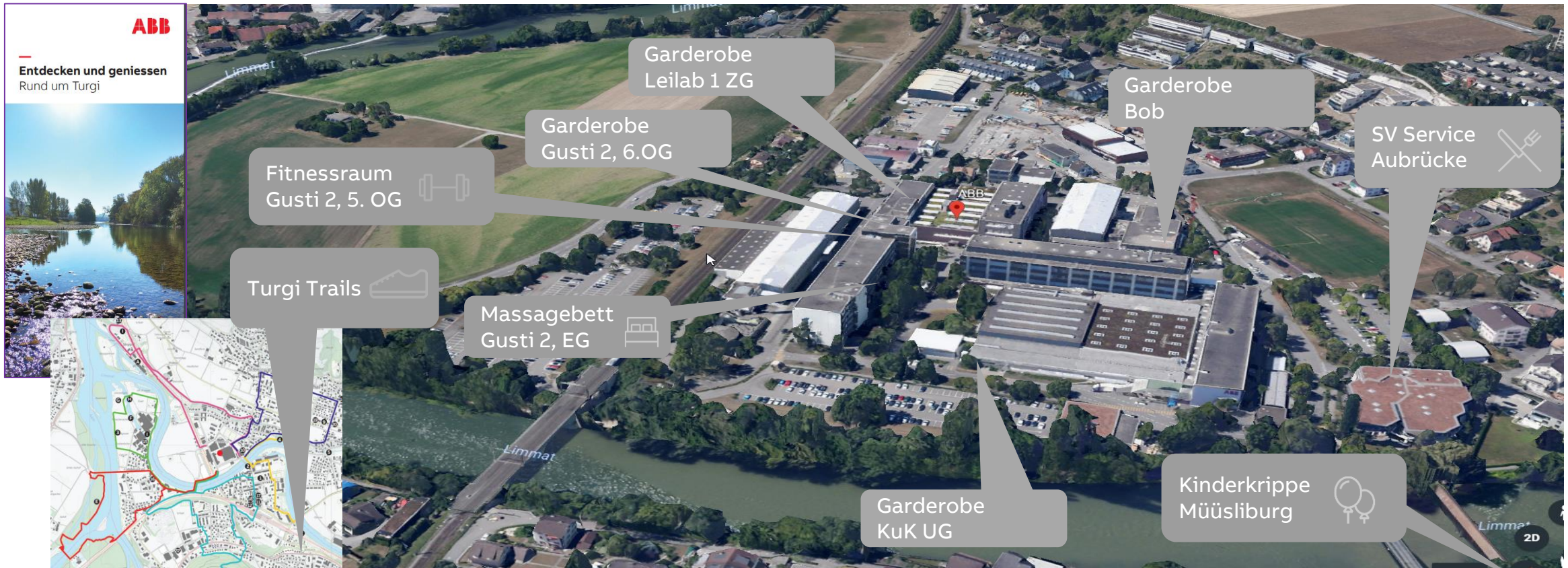
Welcome to Turgi

Occupation buildings



Welcome to Turgi

Orientation at Site – Sport, Child Care



Welcome to Turgi

Inside + Turgi Site

Startseite

MOTION SCHWEIZ

Standort Turgi

News Standort Turgi

Informationen Standort Turgi

Actions

Inside+ > Businesses > Motion Schweiz > Standort Turgi > News Standort Turgi

News Standort Turgi

SO SCHÜTZEN WIR UNS.

Update für den Standort Turgi zum Coronavirus

Coronavirus: Update zu den Massnahmen

HSE Ziele 2020

Sicherer Webverkehr durch die Einführung von iBoss

Melden von Ereignissen

Personeller Wechsel im Bereich von Systems & Business Services (MO-SBS)

News Archiv

Startseite

Informationen Standort Turgi

Organizational announcements

Schulungen / Kurse / Workshops

Informationen Standort Turgi

Update für den Standort Turgi zum Coronavirus

Coronavirus: Update zu den Massnahmen

HSE Ziele 2020

Sicherer Webverkehr durch die Einführung von iBoss

Melden von Ereignissen

Personeller Wechsel im Bereich von Systems & Business Services (MO-SBS)


News Archiv

Organizational announcements

- [Situationsplan Turgi Deutsch](#)
- [Visitor Safety Video - Deutsch](#)
- [Visitor Safety Video - English](#)
- [Anfragen Infrastruktur - Service Request Portal](#)
- [MyDiscounts](#)
- [Restaurant Aubrücke](#)
- [Rund um Turgi](#)

Schulungen / Kurse / Workshops

Fragen oder Feedback zur Seite?

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E-mail me

Chat on Skype

ABB

Standortpräsentation

<https://go.insideplus.abb.com/ch/divisionen/robotik-und-antriebe/news-standort-turgi>

Welcome to Turgi

Inside+ Turgi Site

Informationen Standort Turgi

Management System

Besucherinformationen

Notfallinformationen & Kontakte

Contract Management

Corporate Health Management (BGM)

Health, Safety & Environment >

Human Resources

Infrastruktur >

IS Standort Turgi

Quality Management & OpEx

Supply Chain Management

Systems & Business Services

Travel

Informationen Standort Turgi

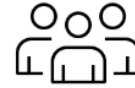
Willkommen auf der Inside+-Seite von Turgi. Hier findest du relevante Informationen rund um unseren Standort.



Besucherinformationen



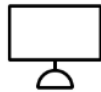
Notfallinformationen



Human Resources



Health, Safety & Environment



Information Systems



Management System



Systems & Business Services



Travel

<https://go.insideplus.abb.com/ch/divisionen/motion-schweiz/standort-turgi/informationen-standort-turgi>

Welcome to Turgi

Organization Motion ABB Switzerland

MAERZ 2020

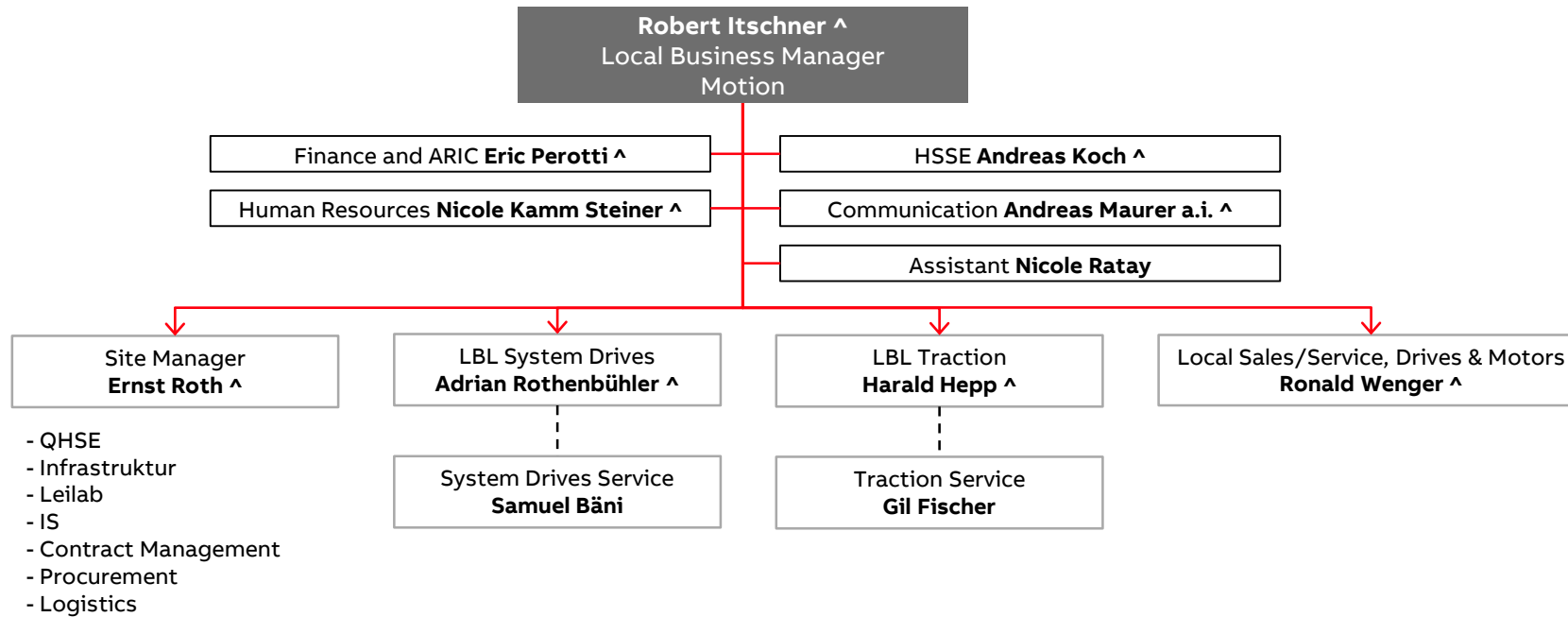


ABB Switzerland Site Turgi/Untersiggenthal

Power electronics for energy efficiency

Turgi location

- 1,200 employees from 45 different nations
- 48,000 m² factory premises
- Functions – global responsibility
 - R&D
 - Sales and marketing
 - Engineering and project management
 - Sourcing, manufacturing and assembly
 - Product support, service and training

Motion – System Drives & Traction

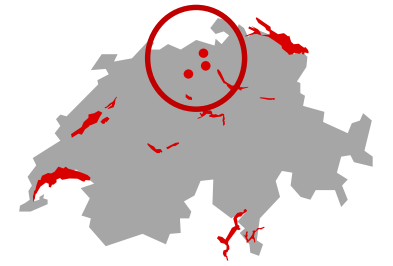
Industrial Automation – Energy Industries

Power Grids - Grid & Power Quality Solutions



Home of power electronics

One of ABB's key technologies



Corporate Research Center



Baden-Dättwil

Research areas such as power device technologies (materials, current interruption), power electronics, sensing and software solutions for power utilities and industrial applications

High-power semiconductor fab



Lenzburg

Design and manufacturing of high-power semiconductors GTOs, IGBTs, IGCTs, Thyristors and Diodes in the power range of 300 up to 12000 A and 200 up to 8500 V at the highest levels of quality

R&D and application engineering



Untersiggenthal / Turgi

Design and manufacturing of innovative power electronics products and systems for applications in transportation, industry and energy transmission segments

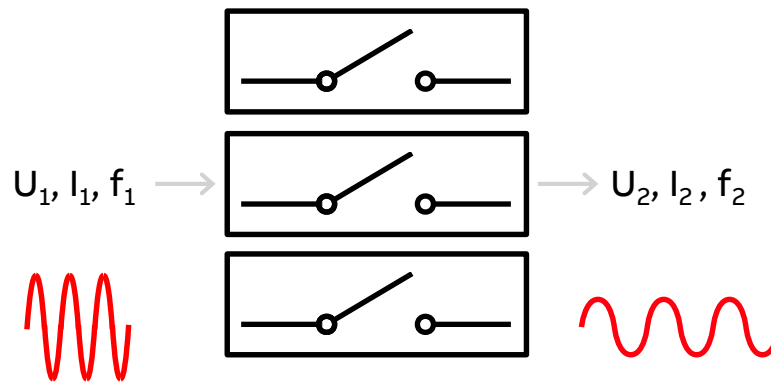
Home of power electronics

One of ABB's key technologies

Power semiconductors, the heart of our products



Electronic switch for high power



Innovative and energy efficient products and systems



- Sustainable energy
- Industrial productivity
- Clean transportation

Global market and trends

We are the #1 global drives player - and we are growing our lead

Our drives offering is the most comprehensive, unmatched by anyone else in the industry.

We serve all industries and all applications



Beverage industry



Cement



Chemicals



Food industry



HVAC



Marine



Material handling



Metals industry



Mining and minerals



Oil and gas



Power generation



Pulp & Paper



Rail



Water and wastewater



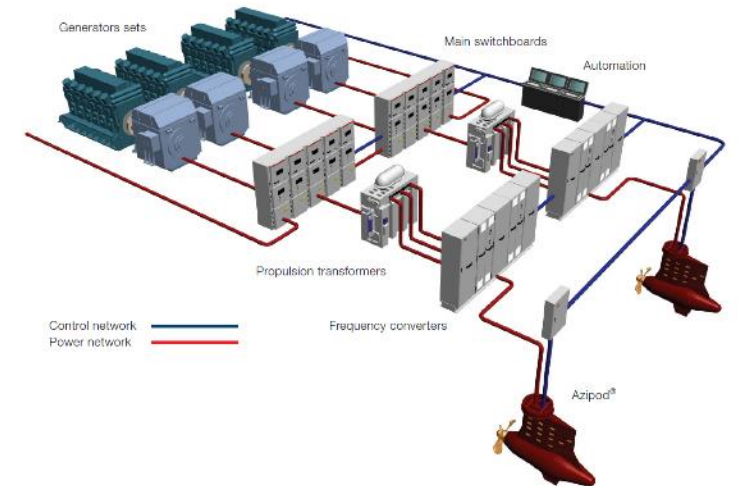
Wind

Motion – Drives: Enjoying cruising with ABB’s propulsion system

Quantum of the Seas



Source: Meyer Werft GmbH



Application

- The Quantum of the Seas cruise ship is one of many vessels utilizing ABB’s integrated power plant and propulsion system
- More than 5000 MW of Azipod power has been delivered for various ship types

ABB scope

- Generators
- Main switchboards, transformers
- Automation and controls
- Thruster motors
- Propulsion drives
- 2 x 20.5 MW Azipod propulsion units

Customer benefits

- Reduced fuel consumption
- Environmentally friendly propulsion system
- Reliable solution, safe and maneuverable
- Easy noise and vibration management
- Freedom to optimize the ship interior and maximize payload

Driving progress on tracks



Electrifying Mobility



Köniz Weiermatt
20 Weiermatt
17 Köniz Weiermatt
24 Weiermatt

17 Köniz Weiermatt

Electro Bus

HESS

201

BE 722 201

Städt. Parkhaus
Köniz Weiermatt

Motion – Drives: Next generation converter platform for regional trains

Significant increase in energy efficiency



Application

New converter platform for electric multiple units, using the latest converter and control technology.

Built with next generation power semiconductors.

High power density traction solution

Customer benefits

- Up to 25 % improvement of overall traction chain efficiency
- Compact and flexible design for various vehicle needs (roof, machine and underfloor mounting versions)

Motion – Drives: Converter replacement for locomotive Re 460

Improved reliability and availability for next 25 years

Application

Replacement of GTO converters with state-of-the-art IGBT based ABB traction converters. Existing traction transformer and motors are retained. 101 locomotives to be retrofitted until 2021



Customer benefits

- Significantly lower energy consumption
- Increase of train availability
- Easy maintenance
- Lower total cost of ownership

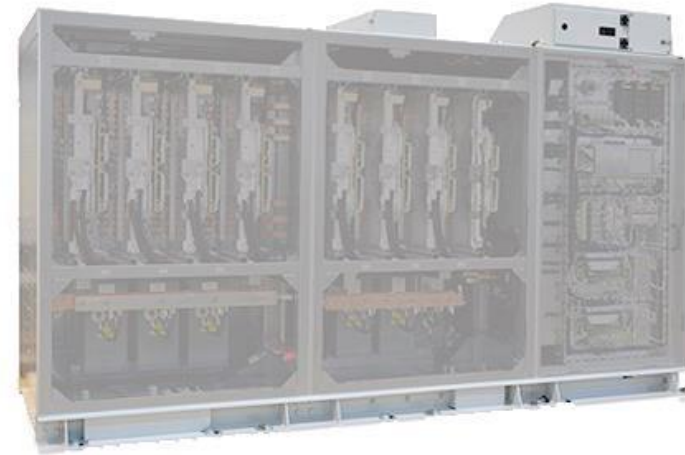


ABB Switzerland

Industrial Automation, Energy Industries – Local Site Turgi

Industrial Automation – Energy Industries

Industry-leading solutions to propel the energy revolution

Our business

Offering

- Automation & electrification
- Vertical specific solutions
- Digital solutions and services

Helping our customers

- Cut cost
- Minimize risk
- Improve operations

Markets served

Customer segments



Offshore



Onshore



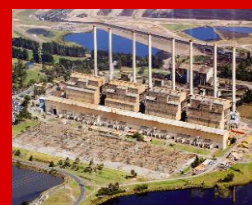
Midstream & transportation



Refining & petrochemical



Chemicals



Conventional power



Renewables



Water



Specialty chemicals



Primary pharma

Industrial Automation – Energy Industries

Automation Systems

Distributed Control Systems

ABB Ability™ Symphony® Plus / System 800xA



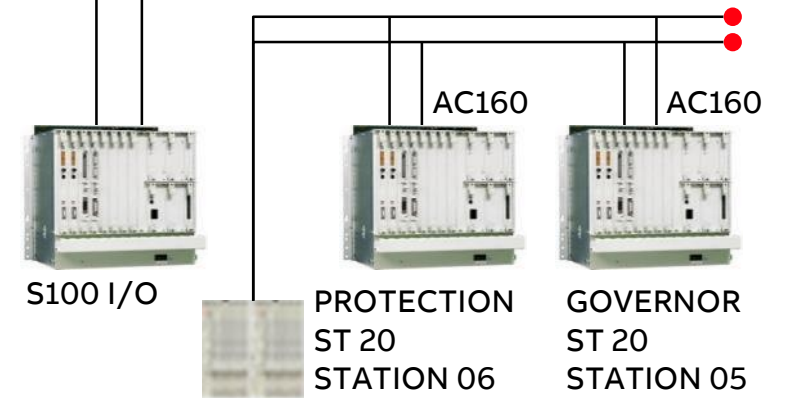
Legacy products Service Engineered Solutions

Procontrol 13







Advant

ST20 Local Electrical Room



Industrial Automation – Energy Industries

Excitation and synchronization products, systems and applications at a glance

INDUSTRIES			
Power; Chemical, Oil & Gas; Minerals & Mining; Metals	Power; Chemical, Oil & Gas; Pulp & Paper; Sugar	Power; Marine; Traction; Wind	Power
APPLICATIONS			
<ul style="list-style-type: none"> • Generator synchronization • Paralleling of lines 	<ul style="list-style-type: none"> • Synchronous generators and motors 	<ul style="list-style-type: none"> • Synchronous generators and motors • Rotating condensers and converters 	<ul style="list-style-type: none"> • Gas turbine starter • Generator excitation • Synchronous condensers • Pumped storage
SYNCHROACT	UNITROL 1000	UNITROL 6000	MEGATROL
 <ul style="list-style-type: none"> • SYNCHROACT® 6 	 <ul style="list-style-type: none"> • UNITROL® 1005 • UNITROL® 1010 (AVR) • UNITROL® 1020 (AVR) 	 <ul style="list-style-type: none"> • UNITROL® 6000 Light • UNITROL® 6000 Medium • UNITROL® 6000 X-power 	 <ul style="list-style-type: none"> • MEGATROL® Light • MEGATROL® Medium • MEGATROL® Power

Global Center of Excellence

Turgi, Switzerland

- Research & development
- Project Engineering and Management
- Manufacturing and Testing
- After-Sales Service
- Sales and Marketing
- Commissioning
- Training
- 24/7/365 telephone technical support



- Excitation & control units
- Assembly 860m²
- Testing 640m²
- 120m long
- 2'500 h/Mt
- 10'000A DC
- Process oriented layout



[Watch the video](#)

ABB