

# CONNECTED

Modernizing an airport's electrical  
distribution from parking to departure

Geneva Airport – Geneva, Switzerland

Hassle free travel for 15 million passengers with  
EcoStruxure™ for Airports solution.

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Life Is On

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Geneva Airport has been growing in size and structure for years. The second-largest airport in Switzerland, it prides itself on providing an enjoyable, efficient travel experience for its visitors. However, an influx of passengers has made it necessary to expand the airport.

#### Keeping an airport up-to-date and right on time

Geneva Airport is a world-class international airport. With only one runway it serves 15 million passengers every year, with numbers expected to rise to over 25 million by 2030. This increase in traffic makes it essential to preserve the quality of the passenger experience at the airport.

Smaller airports generally tend to be more efficient due to smaller volumes of traffic, whereas larger airports contain more advanced facilities. So far, Geneva Airport has proved to be an exception to the rule. Amidst extensive expansion, it has preserved its responsive and efficient quality of service, bringing it to a larger, international passenger base.

To accommodate its growing demand, Geneva Airport has been upgrading its infrastructure and renovating its terminals, cargo holds, and hangers. Alongside, the airport is improving its electrical distribution system.

Electrical renovation, however, can create disruption. Disruption in an airport can be critical, as it not only create delays for passengers, but also impacts cargo and emergency operations where downtime is not an option.

With that in mind, Geneva Airport sought a reliable partner — one that understands the pressures of a global, 24/7 working environment, and one that can deliver trustworthy, innovative solutions in highly sensitive environments.

## Goal

Improve the efficiency and safety of the airport's on-site electrical distribution system.

## Story

Upgrading and renovating the airport with minimal disruption to operations.

## Solution

- New medium voltage system from transformers to distribution equipment to monitoring software:
  - SM6 air-insulated switchgear
  - RM6 switchgear
  - Easergy T200 Feeder Automation
- Low voltage cabinets
  - Prisma PLV enclosure

## Results

- Improvement of reliability with trustworthy innovative solutions
- Cost-effective modernization using off-the-shelf products
- Remote monitoring and control of substations
- Integration with third-party software at the control center
- Space savings with indoor switchgear

### The solution

Schneider Electric has been a partner and supplier of Geneva Airport for many years.

In 2011, Geneva Airport began its exclusive MEGA project (Modernization Electrical Geneva Airport) together with Schneider Electric. This began with a complete renovation and installation of a new medium voltage system from transformers to distribution equipment to monitoring software.

The project also introduced low voltage cabinets throughout the site, which enabled airport staff to centralize all of their information and create accurate energy reports.

Expansion can be expensive, and cost efficiency was also a top priority for the Geneva Airport team. Their goal was to improve the efficiency and safety of the airport's on-site electrical distribution system, so they took the opportunity to also upgrade their control panels.

Meticulous and trustworthy, Schneider Electric is, and continues to be, a reliable partner for the Swiss airport. Providing innovative and cost-effective solutions that ensure well executed, high-tech renovation, Schneider Electric is improving technology and passenger experience at the Geneva Airport without impacting day-to-day operations.

“At Geneva Airport, we strive to always offer to our passengers an enjoyable and efficient experience that starts within the parking lot and ends while boarding the plane.”

— Florian Cochard,  
Head of Electrical Services, Geneva Airport



## EcoStruxure Power

Innovation At Every Level



# EcoStruxure™

## Innovation At Every Level

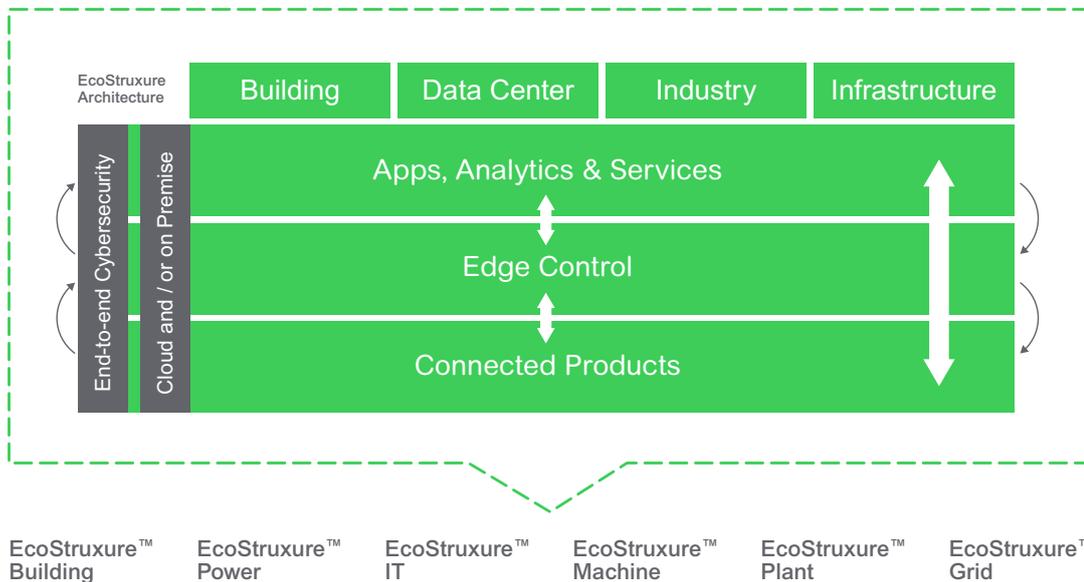
IoT-enabled solutions that drive operational and energy efficiency

EcoStruxure is Schneider Electric’s open, interoperable, IoT-enabled system architecture and platform.

EcoStruxure delivers enhanced value around safety, reliability, efficiency, sustainability, and connectivity for our customers.

EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level including Connected Products, Edge Control, and Apps, Analytics & Services. EcoStruxure™ has been deployed in 480,000+ sites, with the support of 20,000+ system integrators and developers, connecting over 1.6 million assets under management through 40+ digital services.

One EcoStruxure architecture, serving 4 End Markets with 6 Domains of Expertise



### Connected Products

The Internet of Things starts with the best things. Our IoT-enabled best-in-class connected products include breakers, drives, UPSs, relays, sensors, and more. Devices with embedded intelligence drive better decision-making throughout operations.

### Edge Control

Mission-critical scenarios can be unpredictable, so control of devices at the edge of the IoT network is a must. This essential capability provides real-time solutions that enable local control at the edge, protecting safety and uptime.

### Apps, Analytics & Services

Interoperability is imperative to supporting the diverse hardware and systems in building, data center, industry, and grid environments. EcoStruxure enables a breadth of agnostic Applications, Analytics, & Services for seamless enterprise integration.

Find out more about EcoStruxure

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\*Formerly known as Advanced Distribution Management System

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