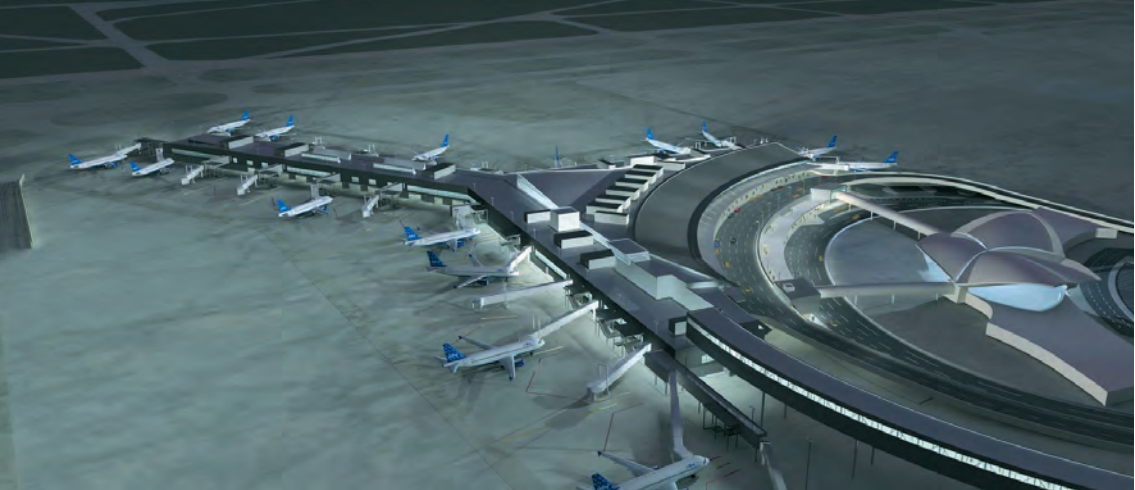


Nexans



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Cabling solutions  
at the core of complex airport projects



# New York JFK Airport JetBlue Terminal installation

## Project description:

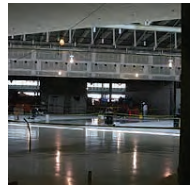
- 2 data networks for a new 640,000 sq foot terminal.
- The terminal will double the number of flights.

## Customer challenges:

- Implementation of a totally redundant data networking system (data, voice & video) to guarantee on-time performance as well as smooth transitioning of people from check-in to take-off.

## Nexans solutions:

- 2 integrated parallel networks, one for voice/data and one for analog CCTV, using Cat5e cabling, interconnected through their redundant fiber optic backbone.
- The network will be able to handle the scalable speed, bandwidth and power requirements of the emerging applications.





# Sheremetyevo International Airport T3, Moscow

## Project description:

- Develop, finance, design and build the new Terminal 3.
- Lead contractors Skanska and Sheremetyevo.

## Customer challenges:

- Construction of the new Terminal 3, to increase passenger capacity to 30 million/year.
- Largest international airport in Russia.

## Nexans solutions:

- LV energy cables (300 km) and signalling and instrumentation cables (150 km).
- Key success factors:
  - Product quality
  - Short delivery times
  - Technical support





# Madrid Airport Luggage Conveying System

## Project description:

- Luggage Conveying System: supply of halogen-free cables and wires for energy supply and control functions.

## Customer challenges:

- Safety requirements: halogen-free, toxically safe and fire-retardant cables.
- Flexible cables, suitable for narrow-bending radius.

## Nexans solutions:

- Delivery of 2,100 km of control, safety and special cables to secure power supply and control functions for the luggage conveying system.





# Incheon International Airport

## Project description:

- In addition to the MV energy network, installation of fiber optic and copper network cabling solutions, including LANSense Intelligent Infrastructure Management.

## Customer challenges:

- Provide a state-of-the-art data communications infrastructure required to support the Phase 2 expansion project that will enable passenger numbers to increase to 44 million a year.

## Nexans solutions:

- 860 km of Cat6 copper cable.
- 351 km of single mode fiber optic cable (12 to 144 cores) for the airport infrastructure.
- 86 km of single mode fiber optic cable for the new airport buildings.
- 450 sets of racks.
- LANSense Intelligent Infrastructure Management for 22,100 fiber optic nodes and 22,000 Cat6 nodes.





# Abu Dhabi International Airport Phase 2 expansion project

## Project description:

- Delivery of airfield lighting cables for phase 2 expansion project: a Crouse Hinds project.

## Customer challenges:

- Construction of a second runway of 4,100 m to welcome larger airplanes (A380,...).
- The new mega midfield terminal complex will be capable of handling 20 million passengers a year. Later it will expand up to 50 million passengers.

## Nexans' solutions:

- 1,900 km of primary cable providing power for the lighting transformers.
- 770 km of secondary cable that connect the transformers to the airfield lights.





# Beijing Airport New terminal 3

## Project description:

- Baggage Handling System for Beijing Airport Terminal 3, a Siemens and Inter Roller project.

## Customer challenges:

- Passenger capacity has more than doubled from 30 to 66.5 million passengers per year.
- Installation of a baggage handling system capable to sort and transport up to 19,200 bags per hour.
- Some 330 check-in counters are connected to a 68 km, high-speed, tray-conveyor system.  
Bags are transported through at a speed of 36 km/hour to the loading carousels.

## Nexans solutions:

- 2,500 km of cables: flexible power supply, control, bus and optical fibre cables.
- All cables are halogen free.
- Compliance with all standards for airport applications.
- Full range of cables (power, control, optical) from one supplier.
- Short delivery time.





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