



CASE STUDY

CUSTOMER-SPECIFIC PRECISION AT THE INTERNATIONAL AIRPORT WITH NERAK CVC

The airport is one of the world's most important air traffic hubs, handling enormous volumes of baggage daily from holiday and business travelers as well as transit passengers. To ensure that every piece of baggage reaches its destination quickly, reliably, and

intact, the operator relies on state-of-the-art, highly automated conveying technology. In one of the major terminal areas, over 50 Nerak vertical conveyors are in operation.

The Challenge

Vertical baggage transport across multiple levels with minimal space requirements

In the baggage logistics of an international airport, maximum speed, precision, and operational reliability are crucial.

Particularly challenging were:

- space-saving vertical connection of different levels within tightly structured terminal architectures
- safe handling of baggage of varying sizes and weights

- 24/7 continuous operation under maximum load
- minimal maintenance to avoid downtime
- integration into existing tray or baggage transport systems without operational interruptions

Conventional conveying systems quickly reach their limits here – especially when combining height, speed, and spatial constraints.



It's a NERAK.
The Original since 1987.

The Solution

Nerak Continuous Vertical Conveyors – custom platforms exclusively for this airport

Features of the system:

- compact design, ideal for narrow shafts and existing terminal structures
- jolt-free transfers for gentle handling
- High performance in continuous operation, 24 hours a day, 365 days a year

Unique, customer-specific platforms:

For this airport, specially manufactured platforms were developed and are used exclusively on site. They are precisely tailored to the requirements of tray transport and enable:

- handling of various tray formats
- transport of variable baggage sizes

- adaptation to the speed profiles of the overall system
- exact transfer heights to adjacent conveyor lines

These customised platforms ensure precise, safe, and high-performance interaction with the existing sorting and transport lines – without additional modifications or adjustments to the adjoining systems.



Maximum space efficiency
thanks to slim,
modular design



Reliable 24/7
operation under
extreme loads



High performance
even during
peak volumes



Gentle transport
for maximum
baggage safety



Scalable integration
into new or existing
terminal areas



**Low-maintenance
technology** with durable
rubber block chain



**Exclusively customer-specific
platforms**, used only at this
airport, for tray and
baggage systems

Do you have questions?

LET'S TALK

NERAK GmbH Fördertechnik
Brigitta 5 | 29313 Hambühren (Germany)
+49 (0) 50 84-944-0
info@nerak.com | www.nerak.com



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