DUBAI INTERNATIONAL AIRPORT

- **Client** *United Arab Emirates*
- **Location** *Dubai International airport*
- **Scope Of Work** *Public*
- **Schedule** *2010*

- A project by Paul Andrew architects; GL Locatelli has designed and provided the anchor channels for the construction of facilities dedicated to baggage handling

- These systems- installed in the "belly" of the therminal, several floors below ground, are made up of track on which run the wagon carrying each piece of luggage to their destination. Some of these tracks are anchored on the concrete floor using a steel cross-section.

- GL Locatelli has provided for the anchoring of these structures some anchor channels specifically designed and manufactured Fundimental to this type of delivery, has been the research and technical advice offered by the company.

- Since the movement of the wagons was a dynamic load stress (which transferred to the anchor channels has been identified in a variable load from 1200 kg to 1400 kg.), it was necessary to proceed with tests on the anchor channels. At first time simulati, by a special software, the dynamic load stress ancorino the whole was subjected to a fatigue test for 2 million cycles in a row, for a total duracino of 15 days, 24 Hours 24.

- The costs were significante cut down thanks to the tecnica advice provvide by GL Locatelli, which provided a cold roller channel instead of the historical hot roller channel, much more expensive, and considered until then the only solution for ancorino dynamic loads.

- The anchor project has been shared and approved by many European societies of engineers responsible for approving the Choice of tecnica detail. Among these ADPI, a French company specializing in Airports, Siemens German company supplying the system, Dar Grop big design company in the Middle East, construction company UAE