



<p>OWNER</p> <p>Birmingham International Airport</p> <hr/> <p>APM CONSULTANT</p> <p>Ove Arup</p> <hr/> <p>CONTRACT AMOUNT</p> <p>EUR 15.8 million (basis 2001)</p> <hr/> <p>SCOPE OF WORK</p> <p>General contractor for APM system and steel guideway superstructure</p>	<p>PROJECT DURATION</p> <p>36 months (10 months disruption caused by customer)</p> <hr/> <p>OPERATION & MAINTENANCE CONTRACT VALUE</p> <p>Approx. EUR 1.0 million per year (basis 2003), contract term 20 years (March 2003 to March 2023)</p> <hr/> <p>DATE OF OPERATION</p> <p>2003</p>
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Reliability.

DCC's Air-Rail Link replaced an existing Maglev system (linear motor technology) and the project-specific requirements posed numerous challenges, such as utilizing existing guideway structures and incorporating system equipment in severely limited space.

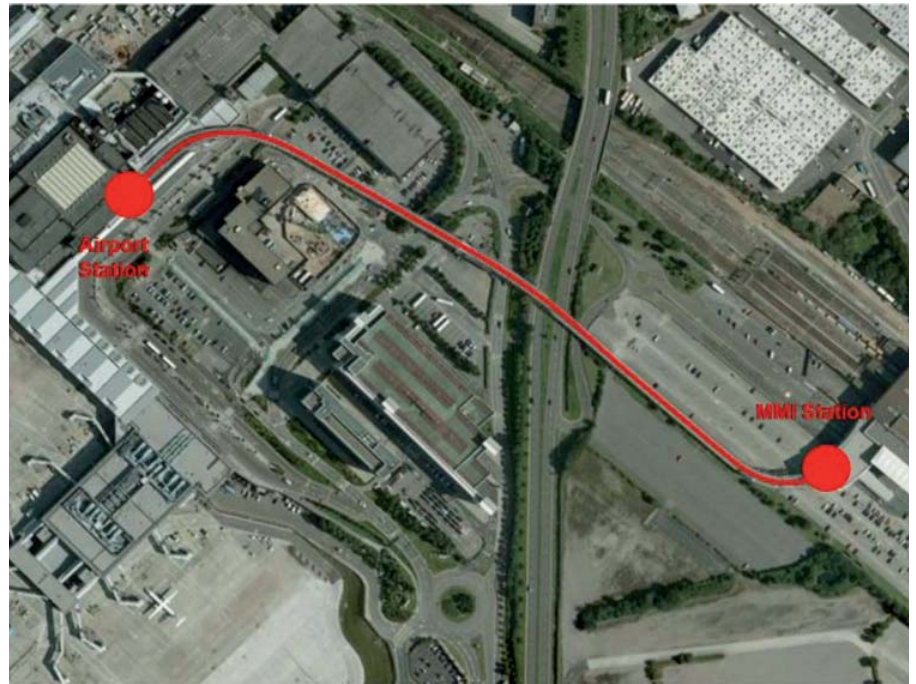
DCC's successful development of the "Air-Rail" Cable Liner Shuttle demonstrates that cable-propelled technology is ideal for small-scale airport venues. The system is constantly working above 99.5 % availability.

Air-Rail Link Birmingham, UK

Air-Rail Link Birmingham, UK

Alignment

Making the passenger's journey faster and easier, the airport needed a direct link to existing public transportation facilities.



Technical Data

Because of the given space constraints in the passenger stations, the maintenance facility, central control room and the drive machinery were integrated in a non-passenger intermediate station. Moreover, DCC installed its standard steel guideway truss on a pre-existing concrete guideway superstructure.

	SYSTEM I AND SYSTEM II
SYSTEM LENGTH	585 m [1,921 ft]
CONFIGURATION	Dual track shuttle with 2 trains operating independently
OPERATING SPEED	36 km/h [22.4 mph]
HEADWAY	120 s
DWELL TIME	30 s
GUIDEWAY	Elevated steel guideway on concrete substructure
SYSTEM CAPACITY	1,608 pphpd
STATIONS	2
TRAINS	Two 2-car trains
TRAIN CAPACITY	27 passengers/car, 54 passengers/train



Elevated truss guideway utilizing the existing guideway structure



Station at the Birmingham International Airport



Start of operation in 2003

DCC Doppelmayr Cable Car GmbH & Co

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