

Rail Maintenance Equipment

People Mover Trams Keep Airport Operations Running Smooth

CUSTOMER CHALLENGE

People mover tram systems at major metropolitan airports are designed to quickly transport passengers between concourses. The people mover trams play a critical role in large airport operations, and in some cases can operate up to 7 days a week, 365 days a year. The challenge for the customer was finding a U.S.-based single-source supplier for the actuators required to maintain tram operations in both a timely and cost effective manner.

SOLUTION

The existing actuators provided three different functions consisting of a cable lift, a station brake, and a movable sheave application. After carefully studying the actuators in use, Duff-Norton was able to match the dimensions, speed and force required for a drop-in fit. There are currently a total of 18 Duff-Norton SuperCylinders installed for this application: seven station brakes, three moveable sheaves, and eight cable lifts keeping the tram in constant operation.

DUFF-NORTON ADVANTAGE

- Key to success in this situation was providing a reliable solution across a long service life to prevent unplanned downtime.
- Single turnkey source of supply for actuators engineered to meet customer defined operation standards.
- Duff-Norton's U.S. based location combined with long-standing expertise and experience.



Airport People Mover Tram shuttles passengers between concourses.

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Duff-Norton Product:
Station Brake SuperCylinder
W0506B47
Movable sheave SuperCylinder
NZ06-0479-002
Cable Lift SuperCylinder
NZ06-0479-003



Tram operations in a busy metropolitan airport are a vital component in moving high volumes of people between concourses and connecting transportation.