automated people mover systems

PRESS RELEASE

Wolfurt, February 4th, 2009

Doppelmayr Cable Car Earns Major Contract in Caracas, Venezuela - New People Mover to Complement Doppelmayr Group's Extensive Development in South America's Second Largest Population Center.

Selected for its proven advantages and outstanding record, Doppelmayr Cable Car, DCC, is creating the Cabletren Bolivariano Project, a new people mover system for Venezuela's capital, Caracas. The system provides a critical link in an ambitious urban development project near Petare.

The Cabletren Bolivariano Project marks Doppelmayr's third recent contract in Caracas. The Doppelmayr Group completed its ropeway, El Avila, in 2001 and Metro Cable de San Agustin del Sur, will open this year. One Caracas Metro ticket will give passengers access to all three systems.

As part of Metro de Caracas Public Transportation System, the 1.43 miles (2.3 km), Cabletren Bolivariano Project's automated people mover, or APM, will connect an existing Metro station, Metro Petare (Line 1), and Metro Waraira Repano A (planned Line 6). Four walk-through trains on a steel guideway provide a system capacity of up to 3000 passengers per hour per direction. With a total of five stations, the system will include an interchange station for easy access to a local train, buses, and the new Metro Line 6.

In order to achieve the best possible passenger convenience, DCC introduces a pinched loop design. Operating up to four, fully synchronized trains, each on an independent rope with a dedicated drive and return unit, DCC's pinched loop technology reduces the interval between trains, or headway, to as little as four and a half minutes. In addition, each of the drive units will be equipped with a diesel emergency drive.

Scheduled to open in November 2011, DCC's custom designed APM will provide Caracas the connection it needs to complete development of an area just west of Petare, the second most populated region in South America. DCC's adaptable technology provided a solution when building the system as a Metro line proved impossible because soil conditions prohibited the use of a subway. The Cabletren Bolivariano Project's design features an elevated system with the reduced footprint a congested area requires. Because of the cable propelled APM's light weight, DCC can use its steel guideway for the elevated system, an ideal solution in densely built areas.

A key advantage the elevated system solution offers is that, instead of the Metro concept's single mid-station, there can now be three mid-stations for additional passenger convenience. Medical offices, pharmacies, and other helpful services will be built around the extra stations to

DCC Doppelmayr Cable Car GmbH & Co
Holzriedstrasse 29 ⁄ P.O. Box 6
6961 Wolfurt ⁄ Austria
T +43 5574 604-1230
F +43 5574 604-1231
dcc@doppelmayr.com
www.dcc.at

further enhance the urban development. DCC's walk-through trains, with no isolated cabins, are perfect for public transportation's security demands.

The unique advantages of DCC's clean, quiet, lightweight cable propulsion system have contributed to many of its recent successes. Current projects include a spectacular elevated system in Las Vegas, USA's CityCenter, an indoor system for the New Doha International Airport, which will run directly through the busy airport's main passenger terminal, and an urban project relieving congestion in historic Venice, Italy.

FACTBOX:

Client:	Construtora Norberto Odebrecht S.A
Owner:	Metro de Caracas
System Length:	1,43 miles (2,3 km)
System Configuration:	Pinched Loop
Train Capacity:	3000 people per hour per direction (pphpd)
Trains:	4 trains á 4 vehicles (walk through configuration)
Travel Speed:	13 m/s (29 mph)
Travel Time:	7 min 22 s
Headway:	4 min 30 s
Stations:	5