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Clean Tech for Transportation

<http://www.vppc2010.org/>



Technical visit

TRANSPOLE MAINTENANCE SITE FOR AUTOMATIC SUBWAY VAL

The VAL 206 (Véhicule Automatique Léger / Light Automatic Vehicle) introduced by MATRA transportation in LILLE in 1983 is a fully automated driverless light rail that is monitored from an operation control center. Then SIEMENS Transportation Systems has continuously upgraded and perfected the VAL system, with regular improvements in both comfort and safety (VAL 208, VAL 258, etc) supplies now also OrlyVal, Toulouse, Chicago, Taipeh, Rennes, Turin, Charles-De-Gaule Paris Airport.

“The system features short train interval times (less than a minute), speeds of up to 80 kilometers per hour, and fast acceleration with short braking phases. Flexible division of the cars’ interior expands the available space and thereby offers increased passenger capacity. This can be readily adapted to individual customer requirements, enabling the system to be flexibly deployed throughout the world” (text from STS).

(Further explanations in <http://12ep.univ-lille1.fr/fileupload/file/theses/Verhille.pdf>)



First prototype in 1971 of VAL (Villeneuve d’Ascq Lille)



VAL 206 (Véhicule Automatique Léger) in Lille in 1983 with DC motors



VAL 208 in 2000 with PM in-wheel motors



NeoVAL... the future with SuperCapacitors

Visit the TransPole maintenance site where VAL 206, VAL 208 are maintained in good health (Limited Number of Visitors)

with the support of



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SIEMENS

Transpole