

## NEW STATIONS AND RAIL WORKSHOPS

- Project in progress: New station of extension FGC line in Sabadell. Architecture and facilities of *Ca N'Oriach* station and garages. Collaboration with Cicsa S.A and Dopec S.L. engineerings. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- New station in Can Amat – Barcelona (improved acces to Polígon Can Amat, on Martorell – Manresa FGC line, between Martorell – Enllaç and Abrera. Collaboration with engineering firm Censa.
- New underground station *Ernest Lluch* on Line 5 of FMB network between *Collblanc* and *Pubilla Cases*. Implementation project of architecture and facilities. Barcelona 2010. C.P.: 13.600.000€ / 18.506.064US\$. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- Development of plans to build 6 stations along Section 1 of Line 9 of the Barcelona metro (*Terminal entre pistes, Ciutat Aeroportuària, Terminal Actual, Mas Blau, Sant Cosme, Plaça Catalunya*). Implementation project of architecture and facilities. El Prat de Llobregat (Barcelona) 2009. C.P.: 63.000.000€ / 85.726.620US\$. Promoter: UTE Estacions.
- New stations *Carmel, Teixonera-El Coll* and *Vall d'Hebrón* on Line 5 of the Barcelona metro. Implementation project of architecture and facilities and Construction management. Barcelona 2008-2010. C.P.: 70.450.000€ / 95.864.133US\$. Collaboration with joint venture Idom-Eurogeotecnica. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- Route variant, train station and town planning regulation in Zamudio. Informative study. Zamudio (Bizkaia) 2008. Promoter: Gobierno vasco / Departamento de transportes y obras públicas.
- New stations *Can Peixauet* and *Santa Rosa* on Line 9 of the Barcelona metro. Implementation project of architecture and facilities. Santa Coloma de Gramenet (Barcelona) 2007- 2008. C.P.: 16.600.000€. / 22.588.284US\$. Sanchez Piulachs – AZM joint venture Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- New stations *Gorg, Llefià* and *La Salut* on Line 9 of the Barcelona metro. Previous studies of architecture and facilities. Badalona (Barcelona) 2006. Collaboration with UTE Gorg. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- New stations *Can Zam, Singuerlin, Fondo* and *Església Major* on Line 9 of the Barcelona metro. Implementation project of architecture and facilities. Santa Coloma de Gramenet (Barcelona) 2006. C.P.: 30.600.000€ / 41.638.644US\$. Collaboration with UTE Línia 9. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- New storage building for metro cars in the TMB garage facilities at Can Boixeres. Implementation project of architecture. L'Hospitalet de Llobregat (Barcelona) 2005. C.P.: 502.000€ / 683.091US\$. Promoter: Transports Metropolitans de Barcelona (TMB).
- Workshops at *Hospital de Bellvitge* station on Line 1 of the Barcelona metro network. Implementation project of architecture. L'Hospitalet de Llobregat (Barcelona) 2005. C.P.: 24.380.000€ / 33.174.841US\$. Collaboration with engineering firm Censa. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- New stations on Line 9 of the Barcelona metro. Study of geometric definition and finishes for stations on the 4th section (*Sagrera; Can Zam; Gorg* / 11 stations) and 3rd section (*Zona Universitària – Sagrera* / 13 stations). Barcelona, Badalona, Santa Coloma de Gramenet and Sant Adrià del Besós (Barcelona) 2004. Promoter: Generalitat de Catalunya.
- New station *Roquetes* on Line 3 of the Barcelona metro. Implementation project of architecture and facilities. Barcelona 2003. C.P.: 10.344.915€ / 14.076.740US\$. Collaboration with AZM Engineering. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- Line 9 of the Barcelona metro. Assessment for GISA on the access shaft system, from the hall to the platforms: stone and soil shafts. Barcelona 2002-2003.

- New station *Trinitat Nova*, *Torre Baró-Vallbona*, *Ciutat Meridiana* and *Can Cuiàs* on line 11 – Light rail. Implementation project of architecture and facilities. Barcelona 2002. C.P.: 8.045.928€ / 10.948.416US\$. Collaboration with AZM Engineering. Promoter: Generalitat de Catalunya.
- New station *Badalona Centre* on Line 2 of the Barcelona metro. Implementation project of architecture and facilities. Badalona (Barcelona) 2002. C.P.: 38.030.000€ / 51.748.942US\$. Collaboration with Proser Engineering. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- Workshop and garage building for tram-light rail from the Diagonal – Baix Llobregat corridor to Barcelona. Implementation project of architecture and facilities. Barcelona 2001. Collaboration with Intraesa. Promoter: Autoritat del Transport Metropolità (ATM).
- New station *Valldaura* on Line 3 of the Barcelona metro. Implementation project of architecture and facilities and construction management. Barcelona 1999-2001. C.P.: 2.300.000€ / 3.129.702US\$. Sanchez-Piulachs Arquitectes and AZM Engineering. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- Tunnelling work for the FFCC line and two new stations *Sant Andreu de la Barca* station and *Baixador de Palau*. Implementation project of architecture and facilities. Barcelona 1998-1999. C.P.: 31.733.000€ / 43.180.362US\$. Collaboration with Proser Engineering in the execution of the project. Promoter: Generalitat de Catalunya / Direcció General de Transports (Gisa).
- *Trinitat Nova* station on Line 4 of the Barcelona metro. Implementation project of architecture and facilities and construction management. Barcelona 1998-1999. C.P.: 11.395.189€ / 15.505.889US\$. Collaboration with Sener Engineering. Promoter: Generalitat de Catalunya.