

PERSONAL INFORMATION



Gonzalo Verdugo Reino

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Sex Male | **Date of birth** 03/05/1978 | **Nationality** Spanish

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

Mobility/Traffic Engineer or Transport Consultant –
Operation/Logistics Manager

PROFESSIONAL EXPERIENCE

Since January 2018.

Site Manager

SISTEM SA (www.sistemasa.es). Project Management Dpt.

Project Management of several areas (below). Coordination with technical teams and client, management of resources to ensure maximum output, accuracy, and efficiency at all phases. Certification and budget control.

- Traffic / ITS: ITS Maintenance within the National road network. Section 4_ CGT Pirineos y Valle del Ebro (Dirección General de Tráfico). Zaragoza, Aragón, Spain. Technical Director.
- Rail: Integration of ERTMS communication systems along the AVE (High Speed Railway) section between Sevilla-Cádiz (UTE Thalsi, Thales and Siemens). Sevilla, Andalucía, Spain.
Optical Fiber Maintenance contract for Metro de Madrid rail network (Metro de Madrid). Madrid, Spain.
- TIC: Mobile and static infrastructure maintenance (Telefónica Spain) deployed in several Andalusian provinces. Seville, Andalucía, Spain.

From August 2016 to January 2018.

Project Engineer

SISTEM SA (www.sistemasa.es). Project Engineering Dpt.

- Involved in several Urban mobility, ITS deployment and traffic equipment projects for national and local traffic authorities.
- Main project in charge (Jul 2017): **Photometric Evaluation of airport runway lights within AENA Airport network**. Collection of light systems data on site, analysis and development of technical reports regarding photometric quality of runway lights.

Business or sector Traffic, Air transit, ITS, Transport, Security, Telecom, Smart Cities.

From August 2015 to May 2016.

Presales Engineer

SISTEM SA (www.sistemasa.es). Commercial Dpt.

- In charge of development of tenders in the railway, transit, ITS, security and transport sectors. TOR Analytics. Collaboration on the definition of the Tender strategy. Coordination during the bidding process of different areas of the company: IT, engineering, R&D... Development of Technical Proposals. Commercial and technical presentations for national and foreign clients. Negotiation of agreements and cooperation with international and national partners.
- Collaboration with Project Engineering Dpt. regarding development of several ITS projects: SIG security and SIG mobility.

Business or sector Commercial, Tender, Transport.

From October 2009 to November 2014.

Traffic Engineering consultant

CPS Ingenieros, Obra Civil y Medio Ambiente SL (www.cpsingenieros.net).

Regarding interurban traffic projects:

- Collaboration in Project Management involving Dynamic Signalization in highways, traffic flow demand studies, and travel times reports at commuting city accesses, etc.
- Technical assistance on site during the Dynamic Signalization for the Traffic Management at EX-A1 between Naval Moral – Plasencia (Cáceres). (2010-2011).
- Modelization using GIS/transit flow software of several freeway sections for improvement proposals in Madrid city accesses.
- Collaboration in state-of-the-art road equipment presentations and technical reports, like: Data Quality of speed traps, E-Call system, electric car deployment reports, accident statistics evolution, motorcyclists protection systems analyses and RS black spots allocation reports.
- Consulting activities for Road Safety and ITS deployment along the Spanish road network, for our primary client, the **DGT (General Traffic Directorate)**, dependent of Spanish Ministry of Interior).
- Participation at the AENOR CTN 199 Spanish Normalization Committee (Road and Traffic Equipment), specially at SC 05 VMS (Variable Message Signals), SC 07 EMAC/SEVAC (Weather and Pollution Road Stations), SC 12 (Speed traps), SC 14 LPR (Red light detectors) and SC 18 (Inter/urban ITS).

Regarding urban traffic projects:

- Collaboration in Project Management involving ITS and traffic calming devices for urban streets and crossroads. (Several Town Halls in Soria, Valladolid, and Ciudad Real. Councillorship of Urban Services and Public Works).
- Collaboration with CRTM and Madrid Town Hall regarding Planification and Communication of: travel data using VMS in bus and railway stops, and pollution episodes status info via DGT VMS.

Business or sector Traffic, ITS, road safety, mobility, transport.

From December 2007 to October 2009.

Mobility consultant

Soluciones Técnicas 2000 SL (www.softec2000.es)

- Technical assistance related to city bike touristic guides, bike set-up and testing.
- Mapping and definition of bike-friendly routes in Madrid and nearby small cities.
- Technical collaboration for Plan Director de Movilidad Ciclista de Madrid (2008). Bike section definition and technical proposals.

Business or sector Ciclotourism, technical assistance, bike city design.

From March 2007 to May 2008.

Civil and Rail Engineering consultant

Incyfer. Ingeniería Civil y Ferroviaria SL (www.incyfer.com)

- Collaboration within the Technical Department in Project Management and maintenance works. These projects concerned several preventive actions and consolidated treatments in tunnels, decks and cutting areas for several lines along the Spanish railway network managed by ADIF (Ministry of Civil Works) FGC and FGV (Catalonian and Valencian Railway Administrations) .
- Collaboration within the R & D Department in developing auscultation techniques for thermal and Georeference analyses in tunnels. This field consisted of using a3D scan methodology on vehicle for data capture and subsequent mapping for pathology detection. (see www.incyfer.com for details).

Business or sector Railway Engineering.

From June 2005 to March 2007.

Internship at Health & Safety Department

Prointec (www.prointec.es)

- Collaboration in developing H&S studies and projects for several Administrations (Confederaciones Hidrográficas, ADIF, FGV, DGT...) and private clients (Metro de Madrid, etc), as well as H&S normalization updates.

- Worked on site as technical assistant during the construction of the AP-36 toll highway between Ocaña and La Roda (Castilla La Mancha, Spain). This task involved inspection and certification of work progress of infrastructures accorded to project.

Business or sector Health & Safety, technical assistance, normalization.

EDUCATION AND TRAINING

- June 2015 **Auditor en Seguridad Vial (Road Safety Auditor Master Degree)**
Polytechnical University of Madrid (Spain).
- January 2017 **Ingeniero Técnico de Obras Públicas (Civil Engineering Bachelor)**
Polytechnical University of Madrid (Spain).
 - Speciality in **Transport and Urban Services**. Main subjects: Urbanism, Transport and Mobility Planification, Traffic Engineering, Ports, Lineal works, Railways, Urban and City services.
- From October 2008 to July 2009 **Técnico Superior en Prevención de Riesgos Laborales (Expert in Risk Prevention)**
ACN (Spain)
 - **HSE Master** (Higiyene, Safety, Environment)
- From October 2006 to July 2007 **Master en Movilidad Urbana (Urban Mobility Master Degree)**
Polytechnical University of Madrid (Spain), King Juan Carlos University (Spain)
 - Subjects: Freight and public transport systems, Traffic management, Work mobility, Subway design, Bike friendly cities, Public transport planification.
- August 2003 **Summer course: Geohazards and Geotechnical Stability Analyses**
Norwegian University of Science and Technology (NTNU Trondheim, Norway).
- August 2002 **Summer course: Environmental Noise Sources and their Effects**
Chalmers University of Technology (Gothenburg, Sweden).

PERSONAL SKILLS

Mother tongue(s) Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Advanced	Advanced	Advanced	Advanced	Advanced
	First Certificate in English. British Council. Level B2 (MCERL) TOEIC grade: 900, passed in Oct 2012				
Chinese	Beginner	Beginner	Beginner	Beginner	Beginner
	Preparing HSK level 2 for Mar2018				
German	Beginner	Beginner	Beginner	Beginner	Beginner

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Excellent communication skills gained through my summer courses and experience as junior engineer, dealing sometimes with foreign clients developing technical presentations.

Organisational / managerial skills

- Responsibility and vision to client.

- Flexibility.
- Resilience.

Computer skills

- Excellent command of Microsoft Office™ suite and MS Project (management).
- Excellent command of Presto 10 (budgets).
- Good command of Transportation specific software: Aimsum, TransCAD, Novatrans.
- Medium command of Autocad and Photoshop (graphic design tools).
- Good command of Android apps, internet and social networks.
- Basic command of Python, R, SQL and .NET programming tools.

Other skills

- Learning quickness, work in group, easy adaptation in international environments.

International allocation

- In demand, or a high % of time travelling available too.

Driving licence

- B (valid throughout UE). Own vehicle.