

Vemar

Ingeniería y Arquitectura

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MOST SIGNIFICANT PROJECTS. VOLUME 1: 2002-2020

BACKGROUND

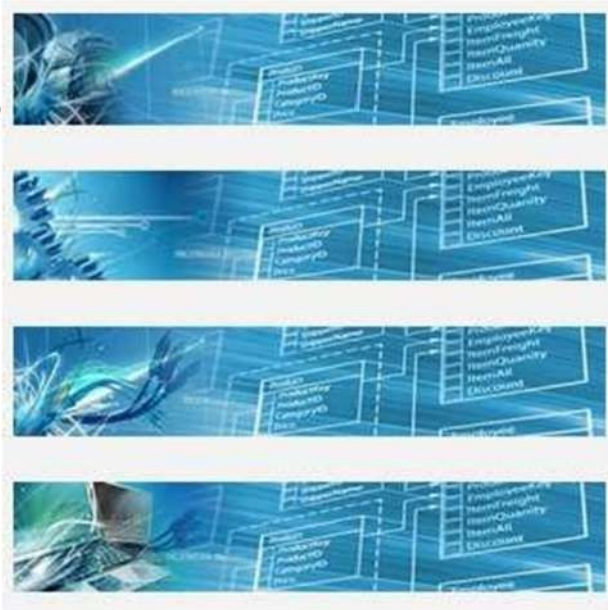
Vemar Ingeniería y Arquitectura is a company established in the Autonomous Community of the Canary Islands. It was founded in 2002 with the aim of having a presence in the Canary archipelago and responding, through its work, to the needs of the region's industrial and social sectors, basing its activity on a philosophy of projects and works always carried out by specialized multidisciplinary teams to achieve optimal design, technical assurance, integrity and quality.

A recognized company of the AUTONOMOUS GOVERNMENT OF THE CANARY ISLANDS, and an authorized supplier for companies such as AENA, ENDESA-Distribución Eléctrica S.L., the certification body BUREAU VERITAS ESPAÑOLA, INTERRA and SHELL ESPAÑA S.A., as well as for numerous regional companies, its work ranges from the design and development of industrial machinery for type approval in the construction sector in compliance with occupational safety requirements, to the recalculation and resolution of pathologies in buildings and industrial warehouses. Vemar Ingeniería is also synonymous with expertise in structural calculation and foundations, and includes expert architecture professionals who are pioneers in bioclimatic architecture in the Canary Islands.

We also have highly qualified professionals available as collaborators for the execution of works and installations, and we can guarantee an optimal work schedule to synchronize the different tasks, machinery and work crews, so as to interfere as little as possible with the rest of the property. Likewise, based on that schedule, material purchases are planned in advance to avoid delays caused by supplier stock shortages.

ENGINEERING, ARCHITECTURE AND INDUSTRY SOLUTIONS

- Technical projects
- Architecture and bioclimatic design
- Structural calculation for warehouses and buildings
- Installations
- Industrial and commercial facilities
- Machine design and technical type-approval studies
- Urban planning
- Building pathology and rehabilitation
- Telecommunications
- Expert appraisals and valuations of properties, vehicles and industrial facilities
- Renewable energy: solar and wind
- Energy efficiency
- Ergonomics and home automation
- Safety and prevention
- Environment
- Opening licenses, reports and audits
- Technical projects and type-approval of modifications for road vehicles. Hybrid and electric vehicles
- "Construction Management": Full project and works management.
- Turnkey construction and execution of all types of installations.



MOST SIGNIFICANT PROJECTS

- LIST OF STEEL AND CIVIL STRUCTURE PROJECTS:

- February 1997. Design, calculation, quality control and construction supervision for wind turbine support towers made of tapered steel shell sections. AGA Warehouse Plot, Arinaga, Gran Canaria. Client: ACSA



- July 1998. Design, structural calculation and site management for the tools and machinery warehouse at Playa de las Burras, Gran Canaria. ENVIRONMENT DIVISION

Warehouse building. Client: ELMASA

- August 1998. Structural design and site management for the extension of the offices and vending area of the Shell service station located at C/ Alcalde Díaz Saavedra Navarro, 44, Vegueta, Las Palmas de Gran Canaria. Client: TRANSFORMADOS METÁLICOS CORREA

- September 1998. Calculation, design and site management for the 8-story evacuation staircases at the Aparthotel Caserio Azul (Avda. Italia, Playa del Inglés, Gran Canaria). Client: TRANSFORMADOS METÁLICOS CORREA.



- January 1999. Design, calculation and construction supervision of the upper structure and the operable floor of the new Cuyás Theatre. Las Palmas de Gran Canaria. Client: CALDESCÁN



- February 1999. Recalculation and construction supervision for structural modifications to the supporting base slab of a cold storage chamber in El Sebadal, Las Palmas de Gran Canaria. Client: PRODUCTOS EL POZO.

- August 1999. Supervision of the assembly of the new bottling plant (12,300 m²) for Coca-Cola (Cobega S.A.) in Carrizal (Ingenio), Gran Canaria. Company: NORTON EDIFICIOS INDUSTRIALES, S.A.



- November 2001. Calculation of an alternative structure proposed for enclosing the terraces in bays 2, 3 and 4 of the terminal building at Tenerife South Airport. Client: PAMSA 46, S.A.

- June 2002. Recalculation for the structural optimization of the roof of the El Chorrillo sports pavilion, in the municipality of El Rosario, Santa Cruz de Tenerife. Client: GRUPO COBRA, company MONCOBRA S.A.



- July 2003. Structural recalculation of trusses and enclosure beams in a hangar at Tenerife South Airport. Client: GRUPO BASE 7, S.A.

- September 2003. Structural study of the existing trusses at the El Chorrillo sports pavilion, which had been installed inverted with respect to the original drawings. Municipality of El Rosario, Santa Cruz de Tenerife. Client: GRUPO COBRA, company MONCOBRA, S.A.



- November 2003. Study and technical report on the circumstances that caused the incident at the sports pavilion in the municipality of Frontera, El Hierro. Client: GRUPO COBRA, company MONCOBRA, S.A.



- December 2003. Technical studies to audit the manufacturing of the structure and electro-hydraulic systems of a 100-ton travel lift. Los Cristianos, Tenerife. Client: GRUPO COBRA, company MONCOBRA, S.A.



- January 2004. Foundation design for a slender glazed structure with digital information panels at Tenerife North Airport (TF-Norte). Client: ARCHITECTS A. CORONA AND P. AMARAL



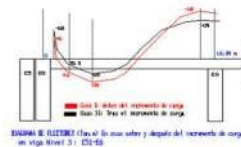
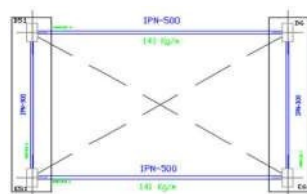
- March 2004. Design of a tubular support structure and its foundation for satellite communication dishes on the Miller Building, Parque Santa Catalina, Las Palmas de Gran Canaria. Client: ENDESA-TELECOMUNICACIONES.



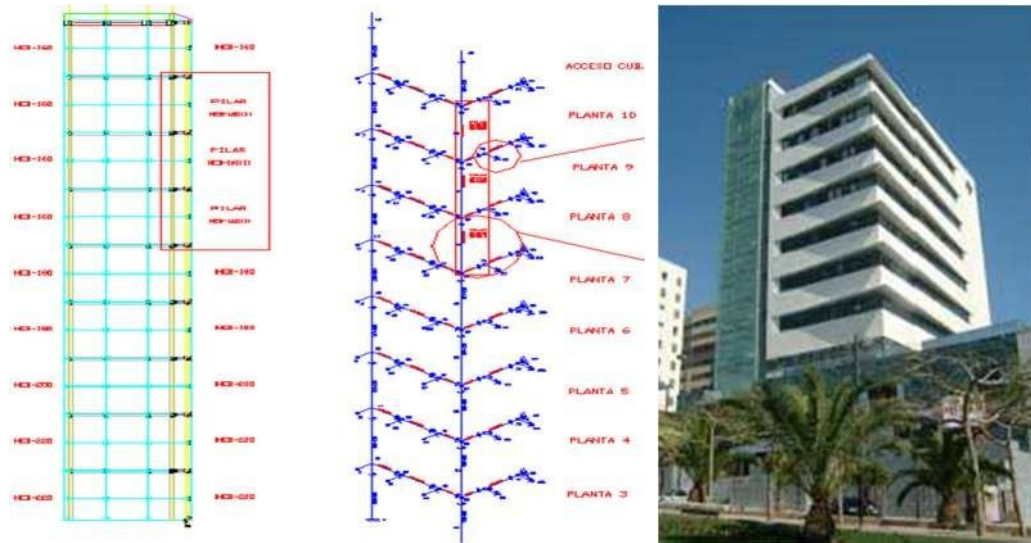
- March 2004. Structural study of the south block of the power plant supplying Tenerife South Airport, to assess the feasibility of construction and subsequent design of a second floor in that area. Client: AENA



- April 2004. Structural study to resolve the pathologies observed in bays 15 and 16 of the terminal building at Tenerife South Airport. Client: AENA



- August 2004. Study for the structural verification of the stairwell shafts in the headquarters building of Caja Rural de Canarias offices in Santa Cruz de Tenerife. Client: MAZOTTI S.A.



- October 2004. Technical study and report on the causes of dampness and salinity in the buildings adjoining a fish packing and trading facility in El Sobradillo, Santa Cruz de Tenerife. Client: JOSÉ LUÍS RODRÍGUEZ NIEBLA
- October 2004. Structural calculation and site management for a 250 m² single-family house in Tetir, Fuerteventura. Client: PRIVATE INDIVIDUAL



- November 2004. Study for the foundation design of the generator and refrigeration units on the roof of the Caja Rural headquarters building in Santa Cruz de Tenerife. Client: MAZOTTI S.A.
- July 2005. Recalculation of the new facade building to be constructed adjoining the Dr. J.A. Rumeu specialized health center in Santa Cruz de Tenerife: design of corbels and connections for relocated beams and columns. Solutions for construction in two phases. Client: MAZOTTI CONSTRUCCIÓN S.A.



- February 2006. Study analyzing the existing pathologies caused by the effects of storm Delta on an industrial warehouse located in La Hondura, Fuerteventura. Includes the structural recalculation of the warehouse. Client: ESTUDIO TÉCNICO MAJORERO, S.L.

- April 2006. Technical solution for the fastening anchors in the window frames of the Santa Cruz de Tenerife Sociosanitary Center building, ensuring stability against potential wind loads. Client: MAZOTTI CONSTRUCCIÓN S.A.
- September 2006. Structural calculation of the supporting substructure for the facade cladding of the Santa Cruz de Tenerife Sociosanitary Center project. Client: MAZOTTI CONSTRUCCIÓN S.A.
- June 2006. Preliminary technical design for an industrial building with a reinforced-concrete framed structure, including the structural design, all installations and the fire-protection systems required for its use as a hardware store, based on the study carried out and the modifications suggested by the owner. It comprises four floors: two below ground level for parking and storage, and two above ground level for commercial areas. The building was designed to allow for a possible future third floor. (9,560 m²) Client: ESTUDIO TÉCNICO MAJORERO, S.L.



FACHADA ANTERIOR



FACHADA POSTERIOR

- November 2006. Recalculation of the structures of all the existing warehouses at the MAZO Environmental Complex, La Palma island. Regional Ministry of the Environment and Land Planning of the Government of the Canary Islands. GOVERNMENT OF THE CANARY ISLANDS

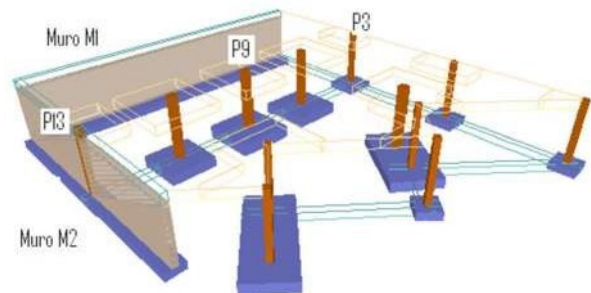


- December 2006. Structural calculation for the civil works of the extension of the machine room and the S.A.L.O.S.A. water treatment plant, and the pumping reservoir at Lago Bristol-Corralejo, in the municipality of Corralejo, Fuerteventura. Also included the fire protection study. Client: ESTUDIO TÉCNICO MAJORERO, S.L.
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- February 2007. Calculation of the new north facade of the building adjoining the Dr. J.A. Rumeu specialized health center in Santa Cruz de Tenerife. Client: MAZOTTI CONSTRUCCIÓN S.A.



- November 2007. Structural design for the upper platform of the recycling center in La Orotava, Tenerife. Regional Ministry of the Environment and Land Planning of the Government of the Canary Islands. GOVERNMENT OF THE CANARY ISLANDS



- December 2007. Technical site supervision for the structural modifications required to fit out the SUPERCOR commercial premises in the "Dunas Canteras" building, Las Palmas de Gran Canaria. SUPERCOR, S.A.
- December 2007. Structural consultancy on the platforms and retaining walls for modifications to a recycling center in La Orotava, Tenerife. Regional Ministry of the Environment and Land Planning. GOVERNMENT OF THE CANARY ISLANDS.



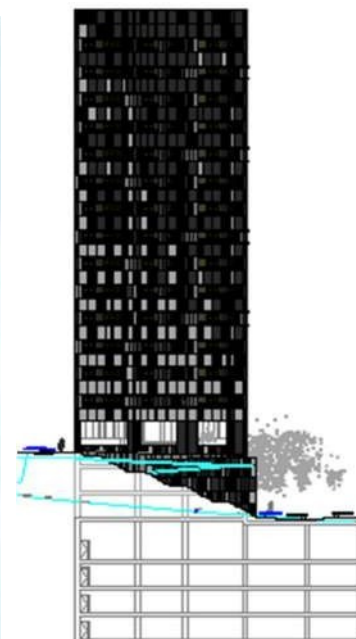
- January 2006 - June 2009. Technical site supervision for the 2nd construction phase of the Mazo environmental complex, La Palma island. Regional Ministry of the Environment and Land Planning. GOVERNMENT OF THE CANARY ISLANDS.



- January 2008. Technical study to resolve the pathologies observed in several columns of the Proviarsa building. Laboratory testing procedures were carried out to verify the condition of the columns by evaluating their mechanical properties. C/ Dibicenas, Arguinegín, Gran Canaria. Client: PROVIARSA



- February 2008. Structural supervisors for the construction supervision of the project: 120 dwellings, garage and storage units. Torres del Mar, Canódromo, C/ Obispo Romo corner with C/ Ingeniero Ramonell, municipality of Las Palmas de Gran Canaria. Client: REALIA BUSINESS, S.A.



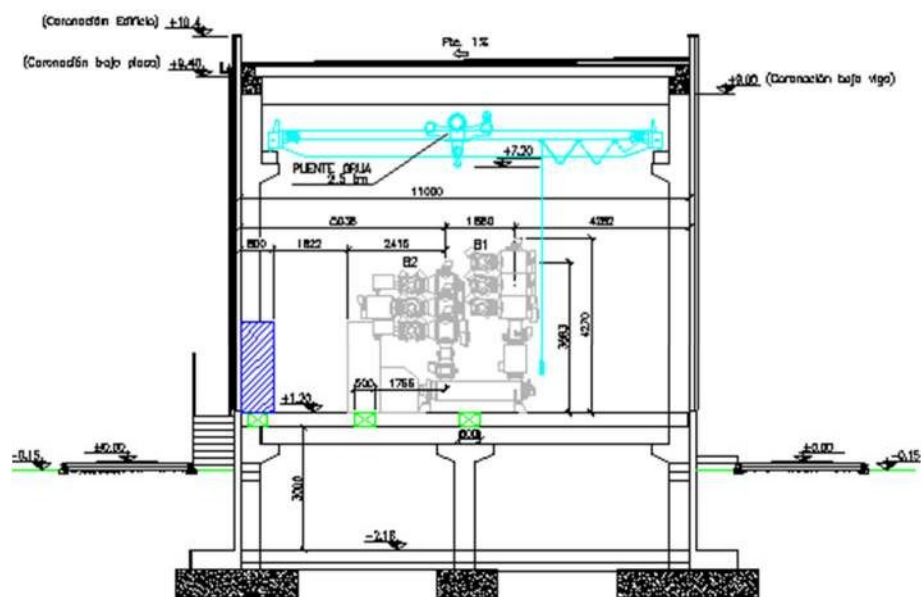
- March 2008. Structural design for the civil works of the electrical substation integrated into the repowering of the Cañada de la Barca wind farm, Fuerteventura. UNELCO-ENDESA



- April 2008. Foundation calculations for the new wind turbines included in the repowering of the Juan Grande wind farm, Gran Canaria. Client: NEO-ENERGÍA

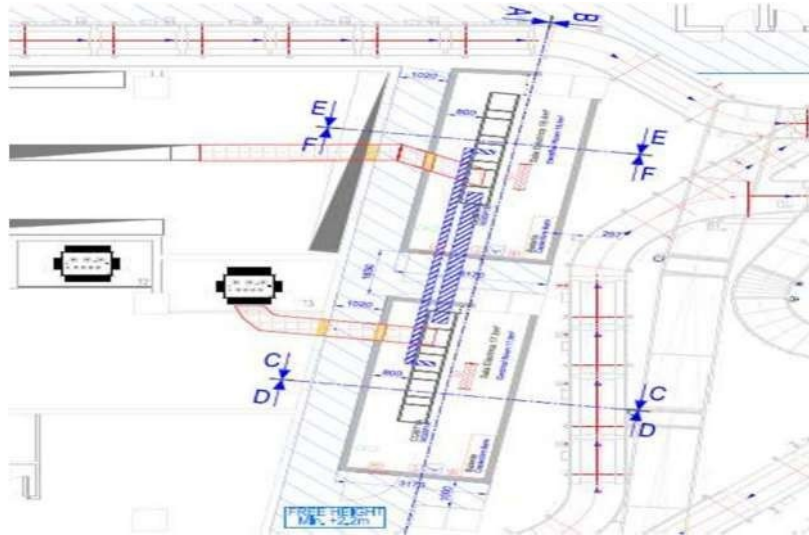


- January 2009. Review of the measurements and valuation of the various chapters and work items of the project for the temporary parking building at Gran Canaria Airport. Client: GRUPO PÉREZ MORENO.
- July 2009. Structural calculation of the civil works for the new 66 kV substation using
- indoor GIS switchgear technology, and the double-circuit overhead/underground power transmission line entering and leaving San Isidro on the Granadilla-Arona line, Tenerife. Client: RED ELÉCTRICA DE ESPAÑA, S.A.



SECCION A-A

- March 2010. Technical study on the structural feasibility of the control rooms for the AUTOMATED BAGGAGE HANDLING AND SCREENING SYSTEM (S.A.T.E), Environmental Impact File
871/06, Fuerteventura Airport. Client: SAMPOL U.N. INSTALACIONES.



- July 2010 - March 2011. Design, technical site supervision and health and safety coordination for the environmental improvement works at the MAZO Environmental Complex (La Palma). Regional Ministry of the Environment and Land Planning of the Government of the Canary Islands. Client: GOVERNMENT OF THE CANARY ISLANDS.



- March 2012. Preliminary architectural and engineering renovation design to upgrade the Hotel Internacional in Puerto de la Cruz. Designed as a 4-star hotel covering 6,400 m², it will also be extended by 580 m² without increasing the overall building volume. Renewal of the installed equipment and installation of new equipment as required by regulations, adapted to the developer's requirements. Client: Grupo Hemi
- June 2012. Technical study to verify the structural feasibility of the existing floor slabs on the second floor of the Tenerife North Airport terminal, in the event of operation of 12 m GENIE Z-34/22 electric boom lifts on them. Client: SAMPOL Ingeniería y Obras.
- August 2012. Technical study to verify the structural feasibility of the existing floor slabs on the roof level and mezzanine level of the Tenerife North Airport terminal, in the four areas planned for installing Lennox air-conditioning units. Client: SAMPOL Ingeniería y Obras.

- October 2012. Technical study to design the anchoring devices for the CL 17.1 type 3, CL 17.2 type 3, CL 16.3 type 8 and CL 15.1 type 4 air-conditioning units against wind loads, considering said loads according to the Spanish Technical Building Code (CTE), at the Tenerife North Airport terminal. Client: SAMPOL Ingeniería y Obras.
- January 2013. Study for the design of a pin + “U”-plate solution, requiring a U-shaped plate wrapping the underside and sides of the rib of the two-way slab above the trolley yard, to support the air-conditioning duct structures. Client: SAMPOL Ingeniería y Obras.
- January 2013. Study for the design of the fire-break frames included in the project, located between columns and the two-way slab above the trolley yard, to support the air-conditioning ducts. Client: SAMPOL Ingeniería y Obras.
- February 2013. Technical study of the metal structures in the rooftop technical rooms of the Tenerife North Airport terminal. Options for temporary shoring while the air-conditioning unit is installed. Final solution for relocating a possibly displaced column. Loads were considered according to the CTE. The report justifies the calculations and designs the appropriate devices and fastening elements. Client: SAMPOL Ingeniería y Obras.
- February 2013. Preliminary design of structures and retaining elements for the Mimiland Park-Tenerife theme park. It is planned on a former aggregate quarry covering an area of 200,000 square meters with a budget of 90 million euros. Güimar, Tenerife.
- November 2014 - January 2016. Design and site management for the complete restoration of an old 4-story building at Calle Obispo Vela nº 4: staircase, floor slabs, roof terraces and facades. Client: Building owners' association. Las Palmas de Gran Canaria.
- October 2016. Technical site supervisor for the refurbishment works on the Calle Habana sidewalks, including chipping and repair of the slab, restoration and passivation of the affected reinforcement, and renewal of the waterproofing and drainage pipework required for rainwater discharge. Client: VIM ABOGADOS.
- July 2018. Technical project specifying the solution to be implemented to resolve the structural problems that caused the pathologies detected in certain areas of the first-floor dwelling of the building located at Avda. Pescadores nº 33, Arinaga, municipality of Agüimes, postal code 35118, Gran Canaria. Client: Private individual
- January 2019. Technical project specifying the solution to be implemented to resolve the structural problems that caused the pathologies detected in certain areas of the 2-story dwelling located at Calle Tinguaro nº 27, 35118, Cruce de Arinaga, municipality of Agüimes, Gran Canaria. Client: Private individual
- July 2019. Structural calculation of columns and floor slabs for a single-family home, following a change in the slopes specified by the external architectural design. Hermigua, La Palma. Client: Private individual
- December 2019. Technical project, site management, and health and safety coordination for the remodeling of the manual car-wash bays at the Cepsa Las Torres service station. Calle República de Nicaragua, 2 Bajo, 35010 Las Palmas de Gran Canaria. Client: MORENO Y HENRÍQUEZ E HIJAS, S.L.

- LIST OF INSTALLATION PROJECTS:

- September 1997. Design and site management of installations in a warehouse building for the Environment Division at Playa de las Burras, Gran Canaria. Client: ELMASA
- June 2003 - July 2005. Design, site management and health and safety coordination for the underground medium-voltage electrification for the “El Chinchal” sports pavilion in the municipality of Santa Úrsula, Santa Cruz de Tenerife. Client: ENDESA-UNELCO
- January 2004. Fitting-out of the installations in a warehouse for a new metal locksmith activity in San Isidro, El Rosario, Santa Cruz de Tenerife. Client: GAROWELDING, S.L.
- September 2004 - September 2005. Design, site management and health and safety coordination for the medium- and low-voltage electrification of the underground crossing at Vega Río Palmas, municipality of Betancuria, Fuerteventura. Client: ENDESA-UNELCO.



- April 2005. Design and site management of installations in a warehouse for a new forklift maintenance and sales business. Los Majuelos, La Laguna, Santa Cruz de Tenerife. Client: TENERIFE FORKLIFTS S.L.
- April 2005. Design and site management for the new underground medium-voltage line route between Calle Herrera and Calle San Nicolás in El Sauzal, Santa Cruz de Tenerife. Client: INTERRA, INGENIERÍA Y RECURSOS, S.L.



- July 2005. Low-voltage route and ducting for the power supply to the pumping station in Tijoco Bajo, Camino Gasparianes, Adeje, Santa Cruz de Tenerife. Client: VOLCONSA
- July 2005. Design of installations for a building comprising 16 dwellings and garages. C/ Real s/n, La Matanza de Acentejo, Santa Cruz de Tenerife. Client: developer ANIA TENERIFE S.L.
- August 2005. Design of installations for a building comprising 21 dwellings and garages. C/ Camino la Costa, Tejina, La Laguna, Santa Cruz de Tenerife. Client: developer ANIA TENERIFE S.L.
- September 2005. Electrification design and transformer substations to supply power to the plots bounded by Calle Lucca and Calle Guillermo González in the Tejina development area, La Laguna. Client: developer ANIA TENERIFE S.L.
- July 2006. Technical assistance for the control and monitoring of the SIEB installation (hold baggage screening system) for AENA at GRAN CANARIA AIRPORT.



- August 2006. Technical assistance to the site management of the “New Güimar Logistics Center” for the company DINOSOL SUPERMERCADOS, municipality of Güimar, Tenerife.



- October 2006. Design, site management and health and safety coordination of the installations required to increase electrical power in the laboratories of the Canary Islands Center for Innovation and Technological Development. TECHNOLOGICAL INSTITUTE OF THE CANARY ISLANDS.



- April 2007. Design for the installation of new pipelines at the Fransari jetty, Dársena del Castillo, Explanada Tomás Quevedo s/n, Port of La Luz and Las Palmas. Client: SHELL ESPAÑA, S.A.



- July 2007. Technical site supervision for the fit-out works of a commercial premises as a supermarket for "SUPERCOR S.A.", located at C/ Guanarteme, Las Palmas de Gran Canaria.



- September 2007. Design of installations for a building at C/ Pintor Ribera comprising 6 dwellings with a semi-basement garage, which was extended with a new basement level below ground. Santa Cruz de Tenerife. Client: PRIMACANARIAS
 - November 2007. Design of installations for a recycling center in La Orotava, Tenerife, for the Regional Ministry of the Environment and Land Planning of the GOVERNMENT OF THE CANARY ISLANDS.
 - May 2008. Design and site management of the underground medium-voltage line ducting for a single-family housing complex in Triquívijate, Plot 88, Polygon 16 (El Sobrado), municipality of Antigua, Fuerteventura. Client: CONSTRUCCIONES LUAYRA, S.L.
 - June 2008. Design and site management for the low-voltage electrification of a single-family housing complex in Triquívijate, Plot 88, Polygon 16 (El Sobrado), municipality of Antigua, Fuerteventura. Client: CONSTRUCCIONES LUAYRA, S.L.
 - July 2008. Design and site management of the medium-voltage electrification and transformer substation to supply a building of 26 collective dwellings in Barrio Fabelo, Puerto del Rosario, Fuerteventura. Client: CONSTRUCCIONES UBISQUE S.L.
 - August 2008. Low-voltage design for electrical and fire-protection installations in a building of 3 dwellings with a semi-basement, roof terrace and roof, fitted with an elevator on C/ Benahoare, nº 19. Santa Cruz de Tenerife. Client: PRIMACANARIAS
 - September 2008. Telecommunications design for a building of 3 dwellings with semi-basement, roof terrace and roof, fitted with an elevator, at C/ Benahoare, nº 19. Santa Cruz de Tenerife. Client: PRIMACANARIAS
 - November 2008 - January 2009. Design, site management and health and safety coordination for the new electrical connection to the Canary Islands Center for Innovation and Technological Development. TECHNOLOGICAL INSTITUTE OF THE CANARY ISLANDS.
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- October 2009. Design of installations for the environmental improvement works at the MAZO Environmental Complex (La Palma). Regional Ministry of the Environment and Land Planning of the Government of the Canary Islands. Client: GOVERNMENT OF THE CANARY ISLANDS.
 - March 2010. Technical study on the structural feasibility of the control rooms for the AUTOMATED BAGGAGE HANDLING AND SCREENING SYSTEM (S.A.T.E), Environmental Impact File 871/06, Fuerteventura Airport. Client: SAMPOL U.N. Instalaciones.
 - December 2012 - November 2013. Review of designs, technical site supervision and preparation of amended designs for the electrical, fire-protection and air-conditioning installations for the refurbishment works required inside the ground-floor premises of the Basconia building, to create a call center. Located at Calle Olof Palme 42-44 and Jesús Ferrer Jimeno, 35010 Las Palmas de Gran Canaria. Client: AAT Consultoría de Proyectos, for Telefónica de España.
 - February 2013. Preliminary design of installations and machinery for the Mimiland Park-Tenerife theme park. It is planned on a former aggregate quarry covering an area of 200,000 square meters with a budget of 90 million euros. Güimar, Tenerife.
 - April 2014 - November 2019. Design and technical direction for the legalization of the garage installations of the Nayra Building, built area: 6,664 m² over two floors. Client: Nayra Building owners. Calles Juan Millares Carló, Jesús Ferrer Jimeno and Costa Rica, 35010, municipality of Las Palmas de Gran Canaria.
 - June 2015 - August 2017. Designs and application for increased electrical power capacity, as well as site management for the installation of a new bodywork and paint shop. Avenida de Canarias nº 44, municipality of Firgas. Client: Private individual
 - June 2017 - January 2020. Design and site management for increased electrical power capacity and telecommunications upgrade in a building at Avda. Trinidad 32, San Cristóbal de La Laguna. Client: MACALAGUNA S.L.
 - June 2018. LPG gas installation design for a bar-cafeteria located at Avda. de Canarias 113, Cruce de Sardina, 35110, municipality of Santa Lucía de Tirajana. Client: Private individual
 - January 2018 - present. Preparation of designs and Certificates of Completion (CFO) for AAT Consultoría. Electrical power capacity expansion projects for telephone exchange facilities. Client: AAT Consultoría de Proyectos
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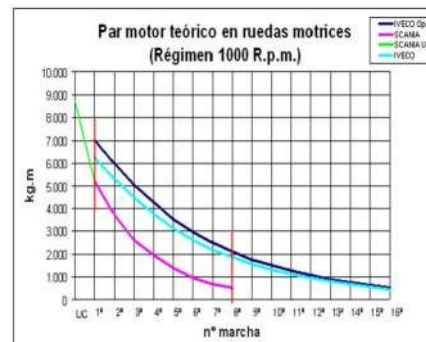
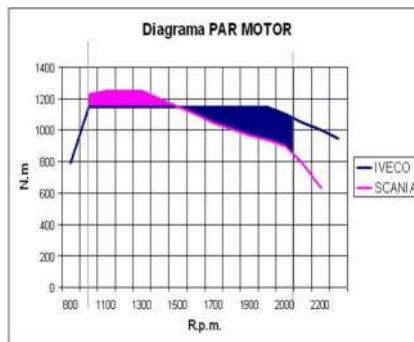
- July 2018 - present. Preparation of designs and Certificates of Completion (CFO) for IFG Consultoría. Electrical power capacity expansion projects for telephone exchange facilities. Client: IFG

HEALTH AND SAFETY / OCCUPATIONAL RISK COORDINATION:

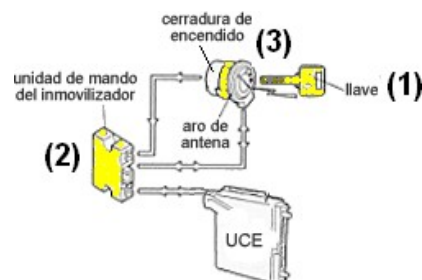
- July 2001. Structural calculation, construction supervisor and health and safety coordinator for a warehouse at Playa de las Burras (Las Palmas de Gran Canaria). Client: ELMASA
 - June 2003 - July 2005. Preparation of design, site management and health and safety coordination for the underground medium-voltage electrification for the "El Chinchal" sports pavilion in the municipality of Santa Úrsula, Santa Cruz de Tenerife. Client: ENDESA-UNELCO
 - September 2004 - September 2005. Design, site management and health and safety coordination for the medium- and low-voltage electrification of the underground crossing at Vega Río Palmas in the municipality of Betancuria, Fuerteventura. Client: ENDESA-UNELCO
 - April 2005. Design, site management and health and safety coordination for installations in a warehouse for a new forklift maintenance and sales business. Los Majuelos, La Laguna, Santa Cruz de Tenerife. Client: Tenerife Forklifts S.L.
 - October 2006. Design, site management and health and safety coordination (IDOM) for the installations required to increase electrical power in the laboratories of the Canary Islands Center for Innovation and Technological Development. Technological Institute of the Canary Islands.
 - November 2008 - January 2009. Design, site management and health and safety coordination (IDOM) for the electrical connection to the Canary Islands Center for Innovation and Technological Development. Technological Institute of the Canary Islands.
 - 2010-2011. Technical site supervision and health and safety coordination for the environmental improvement works at the MAZO Environmental Complex (La Palma). Regional Ministry of the Environment and Land Planning of the Government of the Canary Islands. Client: GOVERNMENT OF THE CANARY ISLANDS.
 - October 2016. Design, technical site supervision and health and safety coordination for the refurbishment works on the Calle Habana sidewalks, including chipping and repair of the slab, restoration and passivation of the affected reinforcement, and renewal of the waterproofing and drainage pipework required for rainwater discharge. Client: VIM ABOGADOS.
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- TECHNICAL STUDIES FOR EXPERT REPORTS AND AUTOMOTIVE TYPE-APPROVAL:

- December 2004. For a vehicle regularly used in classic car competitions, a technical study was carried out for type-approval of the vehicle's roll cage and for approval of the proposed modifications: brake hoses, restraint harnesses, bucket seats and new perforated brake discs. Santa Cruz de Tenerife. Client: PRIVATE INDIVIDUAL
- June 2005. Expert report on the repair of a concrete mixer truck. Pol. Ind. Mayorazgo, Santa Cruz de Tenerife. Client: IREAUTO 2000.
- May - September 2005. Technical studies for expert reports for the GOVERNMENT OF THE CANARY ISLANDS on refuse collection vehicles on La Palma island.

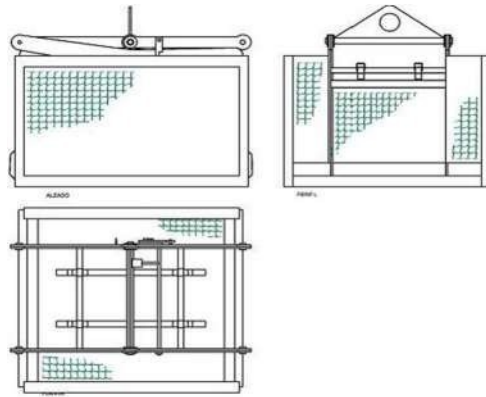


- June 2006. Type-approval projects for converting a MAN-brand tipper truck into a container-handling crane truck for construction sites. Gran Canaria. Client: NEOVISTA S.L.
- June 2009. Expert report to verify whether the faults reported to the official brand workshop on various occasions, concerning different aspects of the operation of a Mitsubishi vehicle, technically matched the responses and recommendations received from that after-sales service. Client: PRIVATE INDIVIDUAL
- May 2011. Expert report explaining the operation and physical principles of a CRYPTO TRANSPONDER-type vehicle immobilization device, to assess possible ways of bypassing that electronic system. Client: PRIVATE INDIVIDUAL

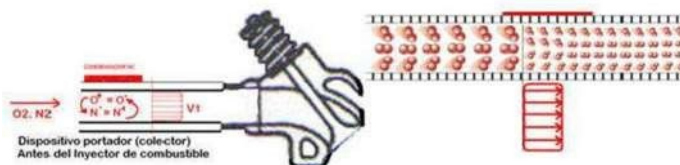


- LIST OF RESEARCH AND DEVELOPMENT PROJECTS. R&D DIVISION:

- October 2002. Development and patenting of a fall-protection system for the concrete-block lifting clamp used in the Canary Islands, based on a folding panel system for single-operator use. El Chorrillo, El Rosario, Santa Cruz de Tenerife. Client: TALLERES ENRIQUE C.B., commissioned by the Health and Safety Directorate of the GOVERNMENT OF THE CANARY ISLANDS.



- April 2003. Development of a dehumidification system in a cold chamber for the manufacture of laminated glass. San Lázaro, La Laguna, Santa Cruz de Tenerife. Client: CRISTALERÍAS MARRERO.
- July 2005 and November 2009. Technical reports on the performance of nanotechnology devices to improve efficiency, fuel consumption and emissions in their application to naturally aspirated or turbocharged 2- and 4-stroke internal combustion engines. Santa Cruz de Tenerife. Client: MKC-CHIP, MKC-FUNIDEAL and NC-FUNIDEAL.



- 2009-2010. Collaboration in the development of incineration devices using pyrolytic furnaces that generate waste as inert ash. PYRUPURE System. Client: SINERGIA S.L.



- 2010. Technical collaboration to implement heat-recovery devices in the heat exchangers of the PYRUPURE system, as an added-value feature. Client: SINERGIA S.L.
 - 2010-2011. Technical study on zero-discharge waste treatment plants. Client: SINERGIA S.L.
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- LIST OF PROJECTS AND SITE MANAGEMENT IN ARCHITECTURE

FOR PUBLIC ADMINISTRATION

- Various maintenance, repair and improvement (RAM) projects and works for schools on the island of Tenerife.
- Basic and Executive Project for an 18-unit Infant + Primary education center in Los Alisios, Santa María del Mar, municipality of Santa Cruz de Tenerife.
- Basic and Executive Project for a school with 9 Infant + Primary units in Las Galletas, municipality of Arona, Tenerife.
- Basic and Executive Project for the roofing of a sports court in Santa Brígida, Gran Canaria.
- Basic and Executive Project for a Vocational Training Center with 360 school places in the municipality of San Andrés y Sauces, La Palma.

FOR PRIVATE DEVELOPERS

- Various single-family housing projects and works in the majority of municipalities on the island of Tenerife.
- Basic and Executive Project and site management for the extension of a new building at Colegio Echeide in Geneto, municipality of La Laguna, Tenerife.



- Basic and Executive Project and site management for Colegio Echeide in the municipality of Arona, Tenerife.



- Basic and Executive Project and site management for the extension of Colegio Montessori in Santa Cruz de Tenerife.
 - Basic and Executive Project and site management for a building of 12 subsidized dwellings (VPO) in San José, municipality of Los Silos, Tenerife.
 - Basic and Executive Project for a block of 43 dwellings and garages in Los Cardones, San Isidro, municipality of Granadilla, Tenerife.
 - Basic and Executive Project and site management for a building of 24 dwellings in the municipality of Adeje, Tenerife.
 - Basic and Executive Project for a residential and commercial building in San Isidro, municipality of Granadilla, Tenerife. Basic and Executive Project and site management for 12 terraced houses on Ctra. Gral. Tacoronte-Tejina, municipality of Tacoronte, Tenerife.
 - Basic and Executive Project and site management for a building of 8 dwellings in Tegueste, municipality of Tegueste, Tenerife.
 - Site management and Basic and Executive Project for the renovation of 8 dwellings in San Matías, Taco, municipality of La Laguna, Tenerife.
 - Site management for a building of 6 dwellings at C/ Mencey Ventor, Santa Cruz de Tenerife, municipality of Santa Cruz de Tenerife.
 - Basic and Executive Project for 12 dwellings in Tegueste, municipality of Tegueste, Tenerife.
 - Basic and Executive Project for 18 dwellings in San Isidro, Granadilla, Tenerife.
 - Basic and Executive Project for a building of 5 party-wall dwellings in Finca España, La Laguna, Tenerife.
 - Legalization file for a building of 6 party-wall dwellings in San Matías, Taco, La Laguna, Tenerife.
 - Site management and Basic and Executive Project for the basement extension of a building of 6 dwellings and garages on Transversal a C/ Pintor Ribera, Santa Cruz de Tenerife.
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- Basic and Executive Project and site management for a commercial premises in El Sobradillo, Santa Cruz de Tenerife.
 - Basic and Executive Project for the extension and renovation of a restaurant in Los Limoneros, municipality of Tacoronte, Tenerife.
 - Basic Project for a terraced development of 10 dwellings and garages in Tabaiba, municipality of El Rosario, Tenerife.
 - Basic and Executive Project for the extension and renovation of a restaurant at C/ Obispo Pérez Cáceres, 2, Candelaria, municipality of Candelaria, Tenerife.
 - Basic and Executive Project and site management for a building of 2 dwellings in La Gallega, municipality of Santa Cruz de Tenerife.
 - Basic and Executive Project for the renovation of a restaurant in Las Verónicas, Las Américas, municipality of Adeje, Tenerife.
 - Basic and Executive Project for a residential (2 dwellings) and commercial building in San Miguel de Chimisay, municipality of La Laguna, Tenerife.
 - Basic and Executive Project for the “Natura Park” children's and youth hostel in the municipality of Granadilla de Abona, Tenerife.
 - Basic and Executive Project for 3 semi-detached single-family homes in Barrio Centenero, municipality of La Laguna, Tenerife.
 - Basic and Executive Project for a garage building and 114 dwellings in La Quinta, municipality of Santa Úrsula, Tenerife.
 - Basic and Executive Project for a building of 2 dwellings and the extension of another semi-detached home, on Ctra. Las Eras, municipality of Arico, Tenerife.
 - Basic and Executive Project for a parking level in a multi-use building in Los Majuelos, municipality of La Laguna, Tenerife.
 - Basic and Executive Project for the extension, legalization and renovation of a shopping center in Urbanización Miraverde, municipality of Adeje, Tenerife.
 - Legalization file for a basement and extension of a living room, and 3 dwellings in Las Chafiras, municipality of San Miguel de Abona, Tenerife.
 - Basic and Executive Project for the renovation and fitting-out of a plot at Apartamentos Parque América, C/ Rafael Puig, Las Américas, municipality of Arona.
 - Structural rehabilitation of the Dácil Building on Ctra. Gral. Bajamar-Punta Hidalgo, Bajamar, municipality of La Laguna, Tenerife.
 - Legalization of site management for a single-family home in La Oliva, Fuerteventura.
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OTHER WORK CARRIED OUT:

- Technical reports (habitability, structural collapse risk, damage to homes, land surveying) and expert forensic reports.
- Certificates for the opening of commercial premises and structural stability certificates.
- Appraisals and valuations of properties and buildings.
- Land subdivisions.
- Studies on bioclimatic housing as a commitment to sustainable architecture.

