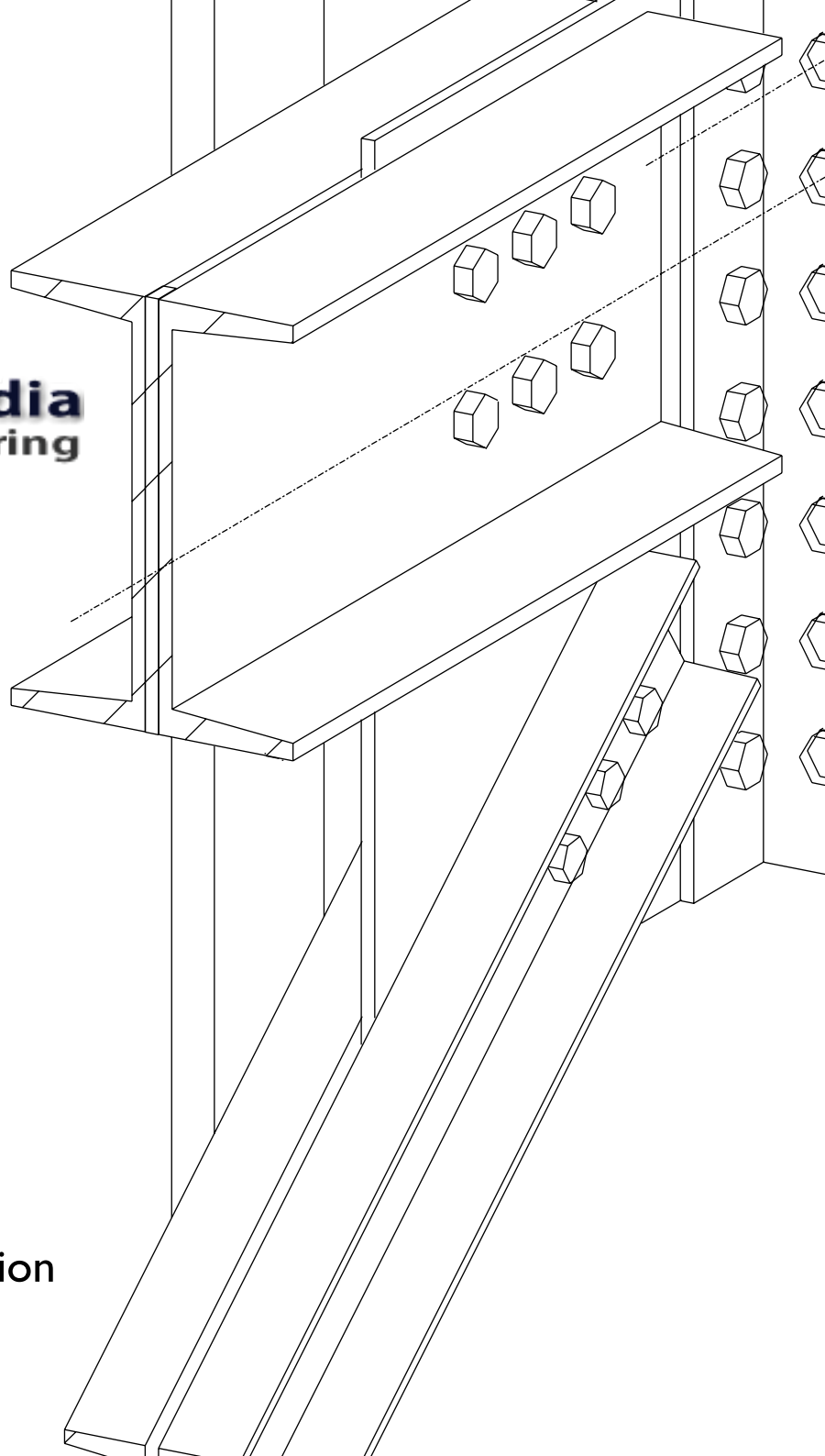


SebastianoFlorida Engineering



Consulting engineering
for structural analysis

Design and development
of steel structure details

Software Development
for the structural verification

SebastianoFlorida Engineering

The design studio of Eng. Sebastian Florida operates since 1993 in the area of structural design on behalf of public and private clients, and in parallel, in the field of the realization of software for civil engineering, especially for the publishing industry.

The studio operational structure is organized in two seemingly separate areas, but truly integrated and allows both the development of software for engineering that the resolution of and the resolution of problems mainly structural design problems, together with testing their software procedures.

The studio, “handcraft mold”, is based on a great passion for structural modelling and its maniacal graphic representation. It has the the world’s best technologies to address any problem: structural, static, seismic, and linear non-linear structural steel, c.a., and masonry and next graphical representation. In addition to the details, tagged and file production numerical control DSTV metal structural work.

Tools for daily work

MasterSap AMV – package to finite elements used for the calculations structural traditional structures steel, the r.c., masonry and wood, according to reinforced concrete NTC 2008. Studio software AMV of Ronchi dei Legionari (PN) - Italy;

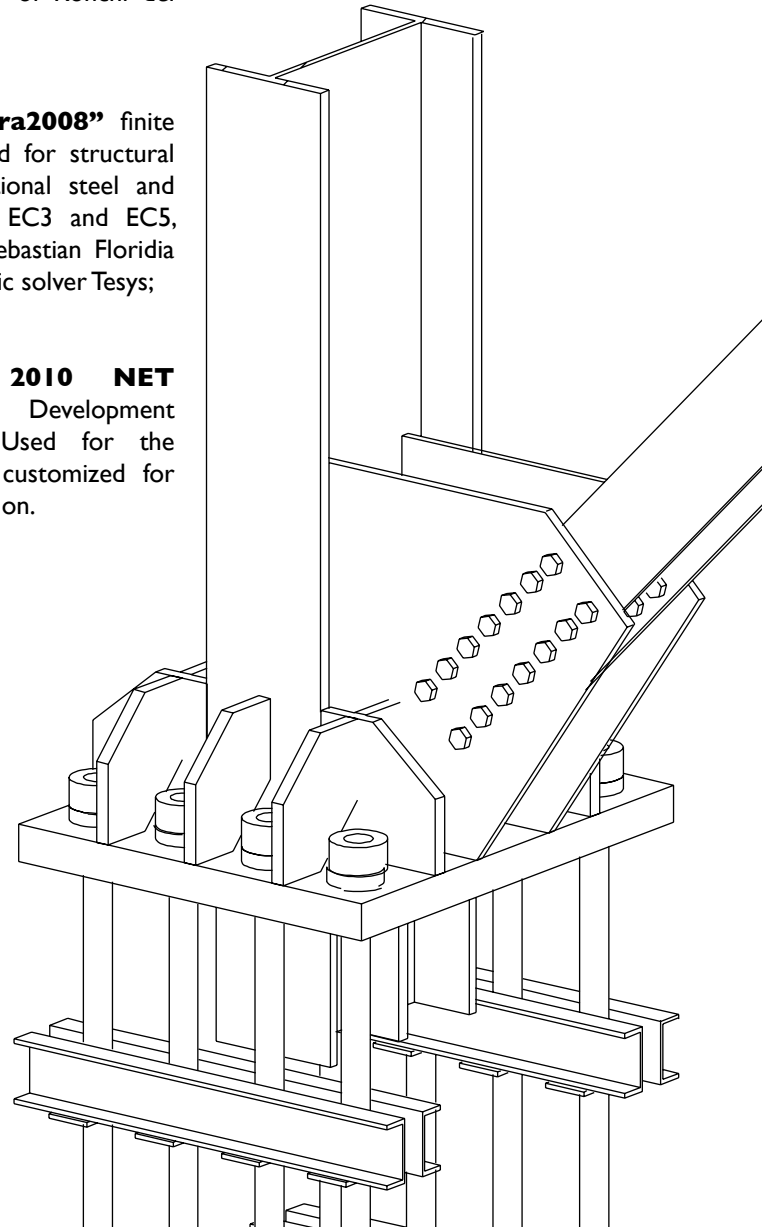
“ProgettoStruttura2008” finite element package used for structural calculations of traditional steel and wood ,according to EC3 and EC5, written in full Eng. Sebastian Florida with static and dynamic solver Tesys;

Visual Studio 2010 NET Professional – Development package Microsoft Used for the realization Software customized for the structural calculation.

TeklaStructures - Steel Detailing - versione 19,0, graphic structure package, for the work of design, and detail-length of carpentry, which we also use for the production of machines for file NC DSTV. exchange data with simulation programs process of industrial installations He PDMS and Intergraph PDS. Tekla - Finland. Tekla – Finlandia

JointsForTekla - Checking the connections in steel structures according to EC3, in TeklaStructures environment. product by: ProgettoArchimede Software - Siracusa - Italy;

MidasGen – Powerful package FEM finite element analysis seismic, which is used for the verification of steel structures and the r.c.of importance that allows us to make significant static, seismic, linear and non-linear push-over analysis of structures existing seismic zone, interaction soil-structure, as well as checks of post procession according with all international standards. We use in two-way link with TeklaStructures. Midas - Korea



Some of the works in industrial environment

“Structural design of tank
Seawater intake “SEA WATER IN-
TAKE” in r.c. with the use of Wel-
lpoint, site in the town of Priolo
(SR) On behalf of the associations
temporary business Co.Ge.Ital
(Priolo-SR) - Italy -So.Ge.A (Gela-
CL) - Italy

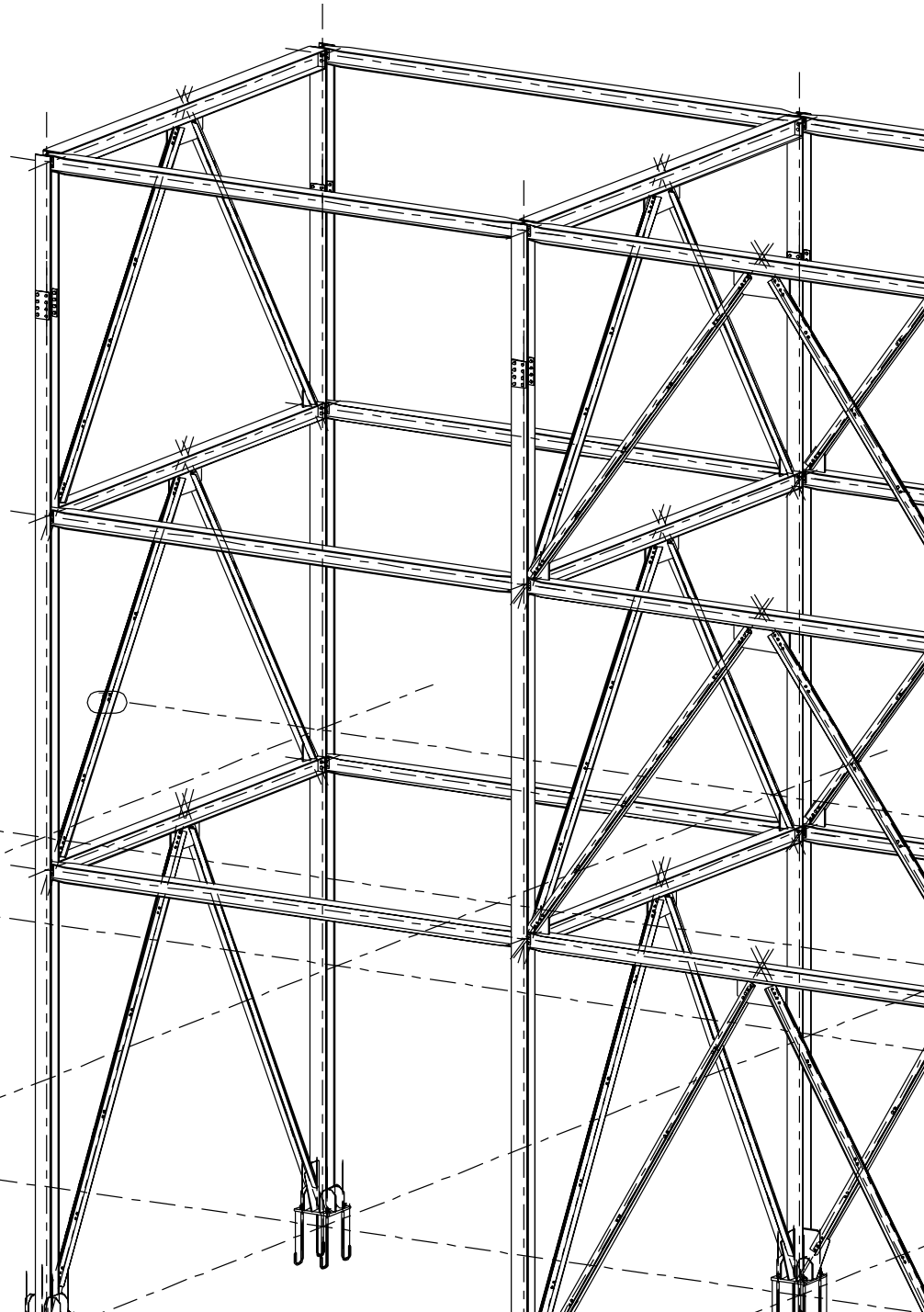
Commissioned:

**Consorzio Snamprogetti -
Foster Wheleer - Energy**

Structural design and architectural
substation Electrical referred to as
“LC01- LC02-LC03-LC04-LC05
“in c.a, site in the town of Prio-
lo (SR) for account of temporary
associations business Co.Ge.Ital
(Priolo-SR) - Italy - So.Ge.A (Gela-
CL) - Italy e Tecnoservice (Camna-
go-MI) - Italy.

Commissioned:

**Consorzio Snamprogetti -
Foster Wheleer - Energy**



“Directing the work of foundations in the AC for the “Empty” plant Vi-sbreacking (I and II step) plant “ERG OILS” site in the town of Priolo (SR) to account of the enterprise Co.Ge.Ital (SR-Priolo) - Italy.

Commissioned:
Snamprogetti south

“Realization of surveying, thematic and typological analysis of the territory of competence, with representation graphics needed for the study Feasibility dell’ETILENO-DOTTO AGIP PRIOLO-ERG PETROLIICAM PRIOLO - Italy.

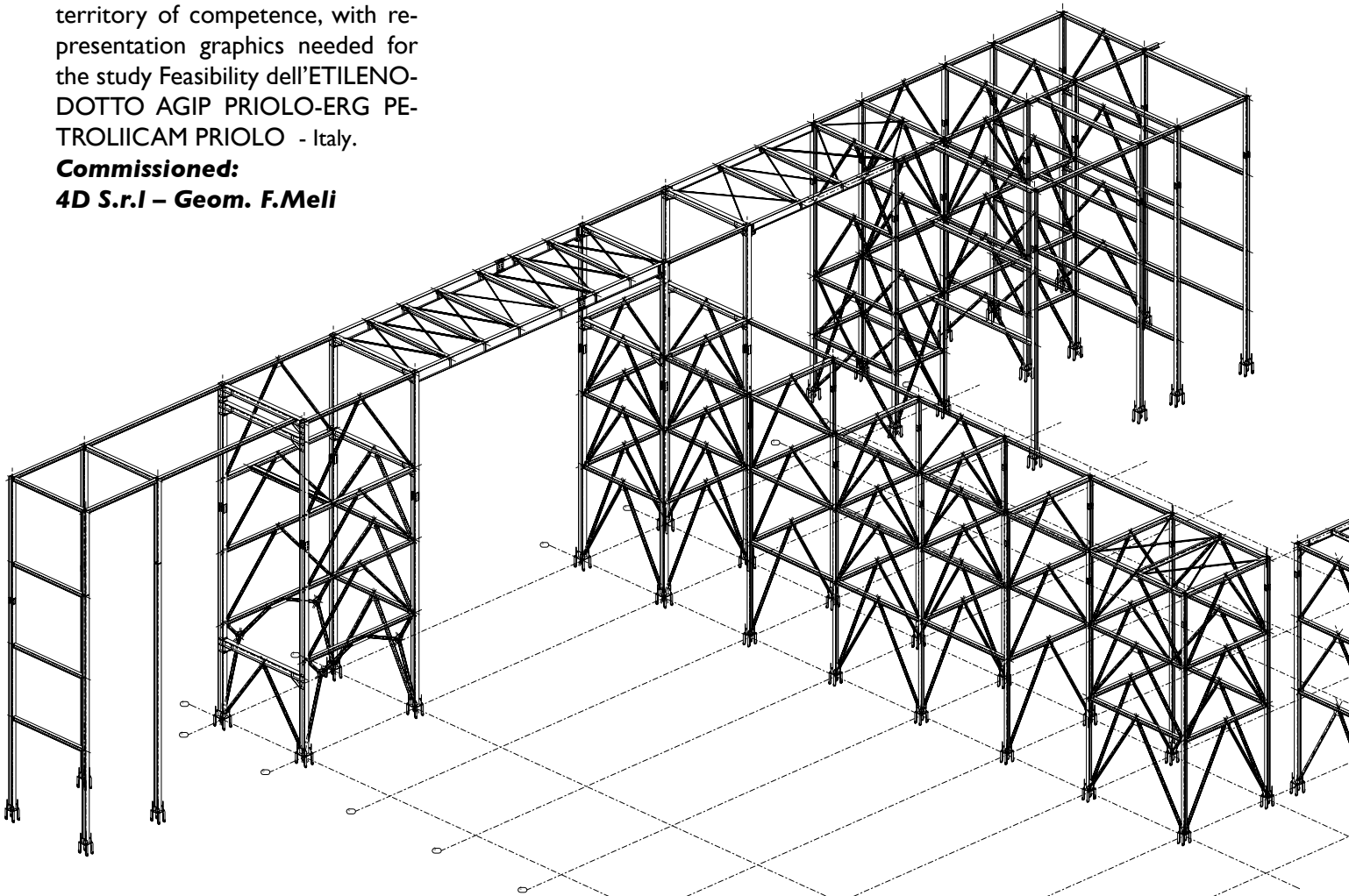
Commissioned:
4D S.r.l – Geom. F.Meli

“Project of dismantling and removing rig and related accessory parts of the platform A. Vega Modules: D1-D2-D3-D5 Camp Vega - Vega A Platform

Commissioned:
IBR Costruzioni S.r.l
Ing. Iannò - Italy

“Project for the construction of a manufactured in steel to use “Control Room” for an incineration plant approved by Ordinance Deputy Commissioner emergency Sicily Region n. ° 83/05 in the r.c. to achieve In contrada Punta Cugno in Augusta (SR) - Italy

Commissioned: GE.S.P.I. srl
-Augusta (SR) - Italy



The Design for Construction of Metal framework on the platform for attemperation located on the pipe rack PR \ April \ B between the alignments PR \ PR-I \ 2 into the 1800's, situated at the plant ERG RAFFINERIE MEDITERRANEAN spa in Priolo (SR) - Italy

Commissioned:

IBR Costruzioni S.r.l

Ing. Iannò – Melilli (SR) - Italy

Design for the construction of a foundation adapted to contain the installation of a plant incinerator approved by Order of Deputy Commissioner No emergency Region Sicily. ° 83/05 in the AC to achieve in a Contrada Punta Cugno site in Augusta (SR) - Italy

Commissioned: G.E.S.P.I. srl - Augusta (SR) - Italy

“Design for the installation of a incineration plant approved Order by Commissioner delegate to the emergency Region No Sicily. ° 83/05 in the AC to achieve in Contrada Punta Cugno site in Augusta (SR) - Italy.

Commissioned: G.E.S.P.I. srl - Augusta (SR) - Italy

“Structural design of all steel structures necessary for the installation of a multipurpose platform integrated waste for special dangerous and non- dangerous to achieve in Contrada Punta Cugno site in Augusta (SR) - Italy. Project Architect: Aedilia Progetti srl. - Arch-Francesco Pappalardo

Systems design: INCICO S.p.a. - Milan - Italy

Project foundations INCICO S.p.a.– Ferrara - Italy

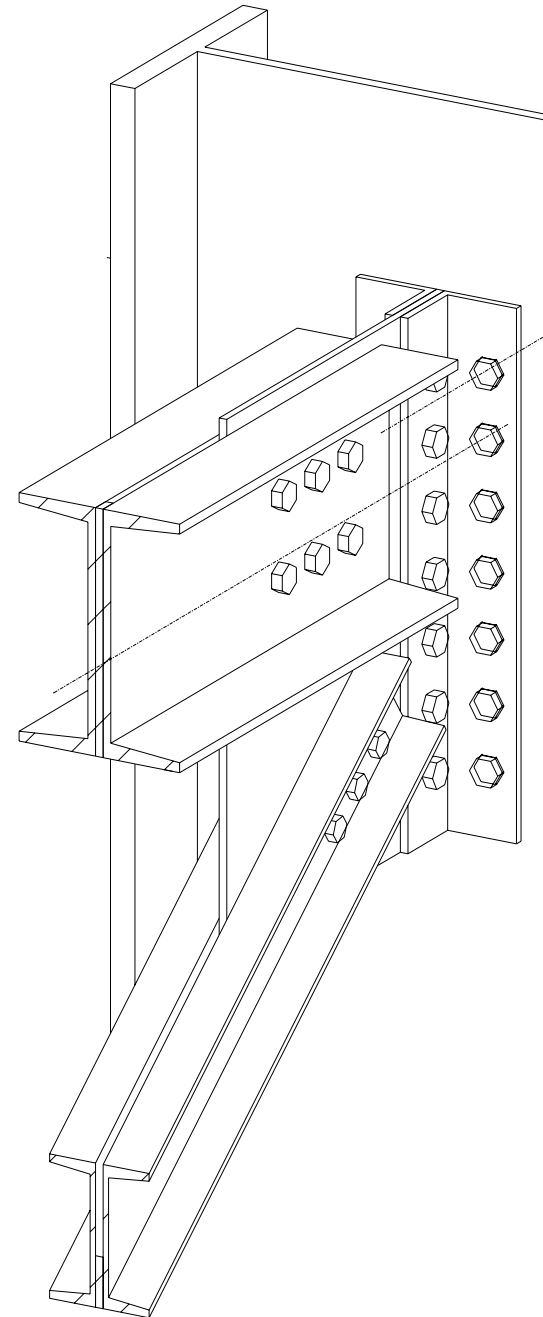
Commissioned:

OIKOTHEN s.c.ar.l.

Design for the construction of two buildings in steel to be used as a workshop / storage parts plant for solidification and storage of sulfur at ENI Taranto Refinery.

Commissioned:

ITING Ingegneria per ECONOVAAPULIA S.r.l



Design Detail Engineering of steel structures to support “New Pipe Smoker” for the revamping project CTE - SAIN / 3 of the North establishment ERG-Central New s.p.a. Priolo (SR) - Italy.

Commissioned: SF Società Fornitura Impianti – Priolo(SR) - Italy

Design Detail Engineering of steel structures for the “Interventions for recovery of effluents Liquid Desox “at the ENEL thermoelectric power plant La Spezia - Italy.

Commissioned: Axedil srl Florida (SR) - Italy

Structural Engineering and Design Details of metal structures for the “Plant regeneration sands” at the plant of TEKSID Creswell (NO).

Commissioned: Ing. Michele Fazzini – Torino per conto di FATA ALUMINIUM (TO) - Italy

Design Detail Engineering of steel structures for the “shed Additives “of the plant “Sicil Cal spa” at Augusta.

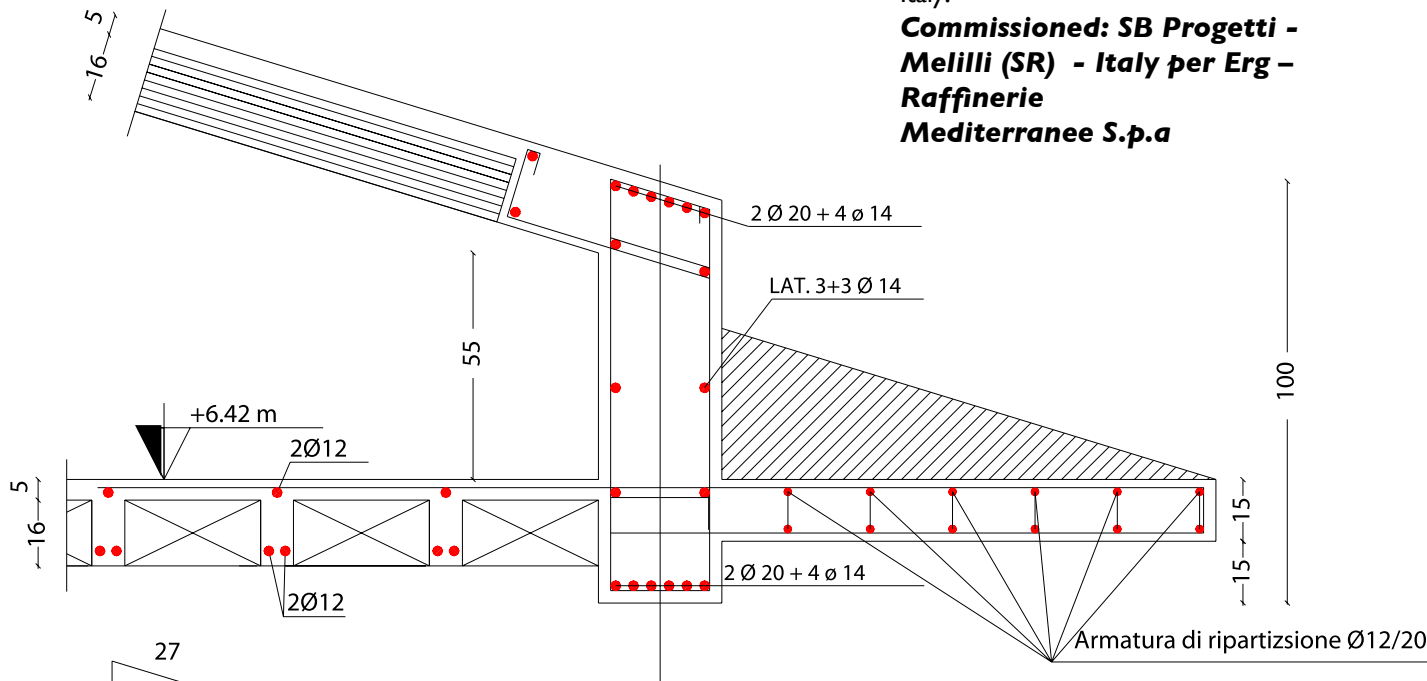
Commissioned: Axedil srl Florida (SR) - Italy

Design special foundations, according to the Ministerial Decree January 14, 2008, for the realization of AUGUSTA T4 PROJECT desalter in the Establishment It s.p.a. Italian – Refinery Augusta - Italy.

Commissioned: SB Progetti-Melilli (SR) - Italy on behalf Esso Italiana S.p.a.

Structural design according to the Ministerial Decree January 14, 2008, the structure of Steel and related foundations necessary to the positioning of New exchangers 301a-600-E / B the project of “POWER VACUUM FROM STORAGE “ Refineries in the establishment ERG Mediterranee SpA – Refinery ISAB - South Plant, Augusta (SR) - Italy.

Commissioned: SB Progetti - Melilli (SR) - Italy per Erg – Raffinerie Mediterranee S.p.a



Certification of the fire element metal key structural of plant AREA VACUUM 600 REFINERY ISAB (South Plant) - Priolo Gargallo (SR) of Property ISAB LTD

Commissioned : Aedifico S.r.l.—Siracusa - Italy – on behalf Raffinerie Mediterranee S.p.a

Structural design according to the Ministerial Decree January 14, 2008, to ADAPTING PROPERTY SERVICES OFFICE STORES EX NATO in the establishment ERG Refinerie Mediterranee SpA – Refinery ISAB - Equipment North Augusta (SR) - Italy.

Commissioned: PONTEROSSO ENG. Melilli (SR) - Italy on behalf Erg – Raffinerie Mediterranee S.p.a

Structural design according to the Ministerial Decree January 14, 2008, in SAFETY MEASURES SEPARATOR HEAT D-154 in the establishment ERG Raffinerie Mediterranee SpA - ISAB Refinery – Equipment North Augusta (SR) - Italy.

Commissioned: PONTEROSSO ENG. Melilli (SR) - Italy on behalf Erg – Raffinerie Mediterranee S.p.a



Structural design according to the Ministerial Decree January 14, 2008, for the construction of an external staircase steel within the system Hydrogen SMR AIR LIQUIDE ITALIAN PRODUCTION LTD located at the ISAB Refinery Equipment North Augusta (SR) - Italy.

Commissioned:

Arch. Massimo

Bovo per AIR LIQUIDE

ITALIA PRODUZIONE s.r.l.

Structural design according to the Ministerial Decree January 14, 2008, the project “Noise Protection Structures” for the central Modugno Gas Turbine Combined Cycle Power Plant Modugno (Bari).

Commissioned: CMIS S.r.l.

Melilli(SR) - Italy – on behalf

Alstom

Power - Switzerland

Fire Protection Certification Fire-proof walls of the Local Made In Double Ups

In Plasterboard Wall Membrane, Inside The Point of Sale “Brico Center” In Shopping Mall “Auchan” In C.da Spalla - Melilli (Sr) - Italy

Commissioned: Brico center srl-Milano

Structural design according to the Ministerial Decree January 14, 2008, from Project ENHANCING DEVELOPMENT of VAL D’AGRI DBN GAS PHASE 2 in the establishment: ENI Exploration Onshore & Production – Basilicata - Val d’Agri - Italy

Commissioned:Consorzio

BONATTI Sp.a.-IREM S.p.a –

Carlo Gavazzi

On behalf PPC – Power

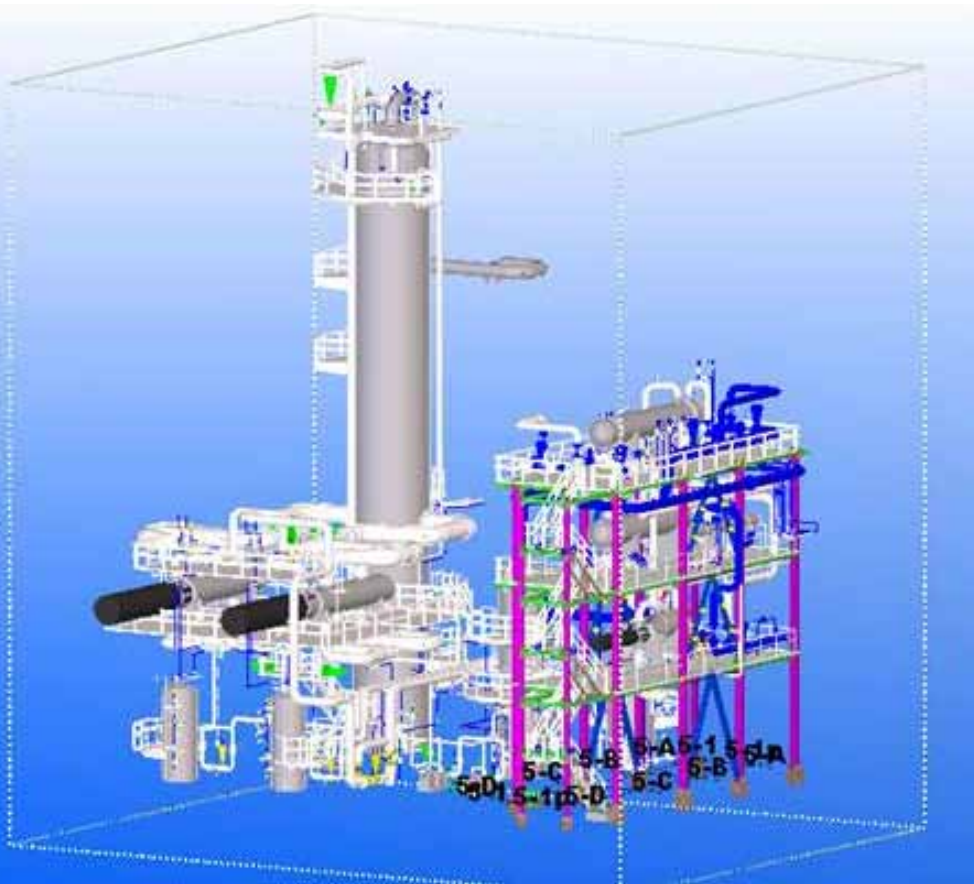
Project Consulting s.r.l Melilli (SR) - Italy

Structural design, tagged and production of CNC structural elements 3d model – detail engineering & shop drawing in TeklaStructures Environment – Plant Sulfur K70 - Milazzo Refinery

Commissioned: KT Kinetics Tecnologia – ROMA

On behalf PC – Power

Project Consulting s.r.l Melilli (SR) - Italy



BIM – TeklaStructures for SmartPlants3D - 3d model in TeklaStructures Environment – Plant Egyptian Refining Company (TAKRIR) S.A.E. - Mostorod, Arab Republic of Egypt

Commissioned: KT Kinetics

Tecnology – ROMA - Italy

On behalf PPC – Power

Project Consulting s.r.l

Melilli (SR) - Italy

Design and production-length CNC structural elements 3d model - detail engineering Environment & shop drawing in Tekla Structures - Plant USINE de LACQ - Pyrenees – France Arkema – Sekomat

Commissioned: SIM FRANCE

ETABLISSEMENT STABLE

ACTICENTRE N° 14 PARC

DE L'ESTUAIRE

76700 GONFREVILLE L'OR-

CHER

France

Design procedures for disassembly and demolition of pipelines Turbine. - Biomass conversion Project (Lot 2) Centrale Thermique de Provence - Gardanne (F) Atelier de Fos (ADF)

Commissioned: SIM FRANCE

ETABLISSEMENT STABLE

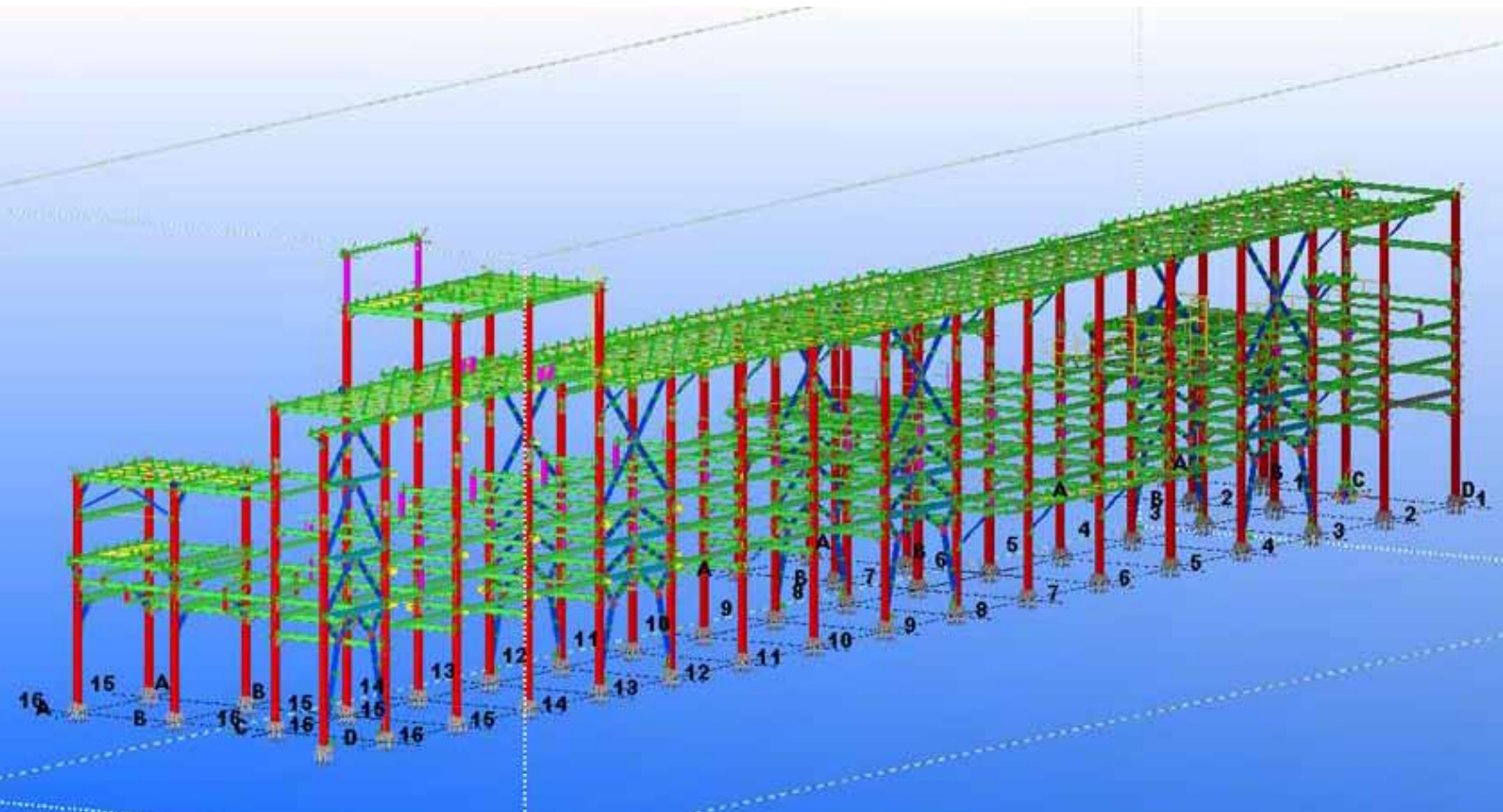
ACTICENTRE N° 14 PARC

DE L'ESTUAIRE

76700 GONFREVILLE L'OR-

CHER

France



Some work within tourist hospitality

Work assignment of architectural design, fire prevention and structural Sports Facilities called “PPC” in the locality Fontane Bianche, Syracuse, consistent sports facility in the capacity of 4200 seats At the European Championship Beach Soccer in Syracuse in Summer **1998.**

Commissioned:
Di Grano Paolo – Venta Club
- Italy

Work assignment of architectural and structural design Structure sport called “PPC” in the resort Fontane Bianche, Syracuse, consisting of sports facility a capacity of 4800 seats sit at the Championship European Beach Soccer in Syracuse in Summer **1999.**

Commissioned:
Di Grano Paolo - Venta Club
- Italy

Work assignment of structural design Structure of the polyvalent use mainly concert called “PALALIVE” in town Fontane Bianche, Syracuse, consistent in plant discovered by capacity of 8000 seats in summer seasons **2005-2006-2007.**

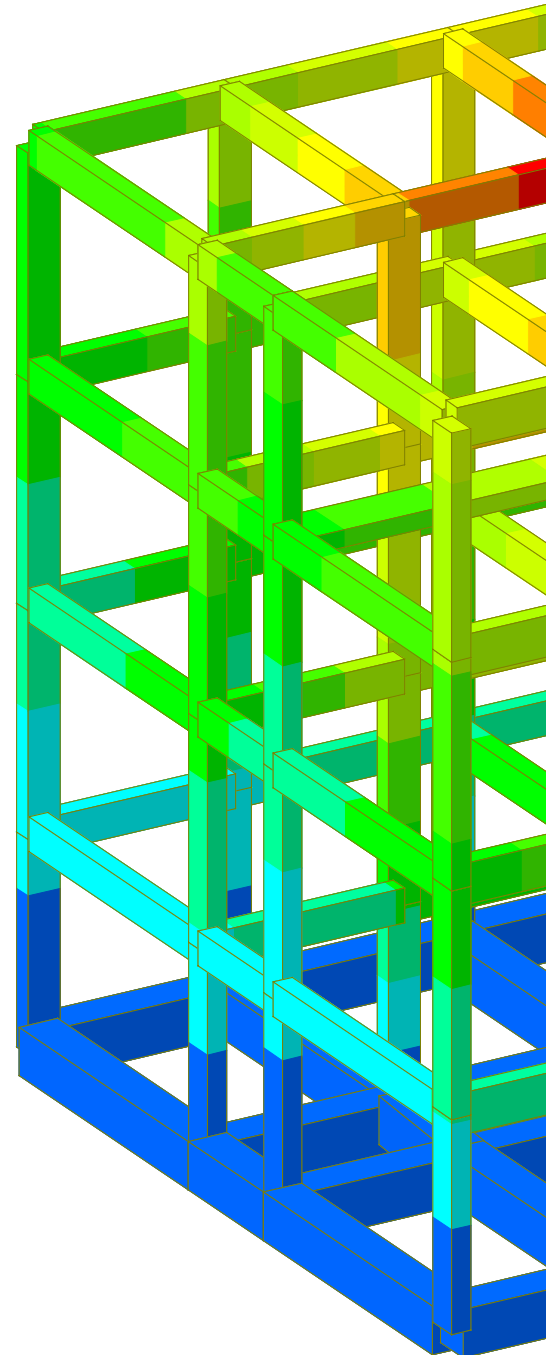
Commissioned:
Di Grano Raffaele
Palalive srl - Italy

Work assignment of Design variant and construction supervision of construction works of a 4 Star with attached spa Syracuse “Hotel Livingston” –Via Nice n° 17 - Italy.

Commissioned:
Nuova Hotel Ortigia srl

Work assignment of Structural Design and supervision for the construction two manufactured in r.c. for the extension of “Park Hotel of the Fountains,” to be erected in Viale Scala Greca, 325 in Syracuse - Italy.

Commissioned:
Di Grano Eduardo



As a Technical Manager and Technical Director of the plant sector Enterprise A.R.COS. - Adm. Unique Mr. Forte Sebastian Via A. Von Platen No. 46 / g, - realization of all systems (electric, alarm, fire fighting, air conditioning and heating plant) in the maintenance and restoration of 'Hotel DOMUS MARIE at Via Vittorio Veneto, corner of Via dei Tolomei, of property of the Congregation of Suore Orsoline of Syracuse, project and c.m. of Arch. Spinoccia Giuseppe.

Commissioned:
Congregazione
delle Suore Orsoline
di Siracusa - Italy

Work assignment of Structural Design with seismic improvement of a historical building in masonry to be used for extension of the Hotel "Gargallo" In Via Gargallo, the island of Ortigia in Syracuse - Italy.

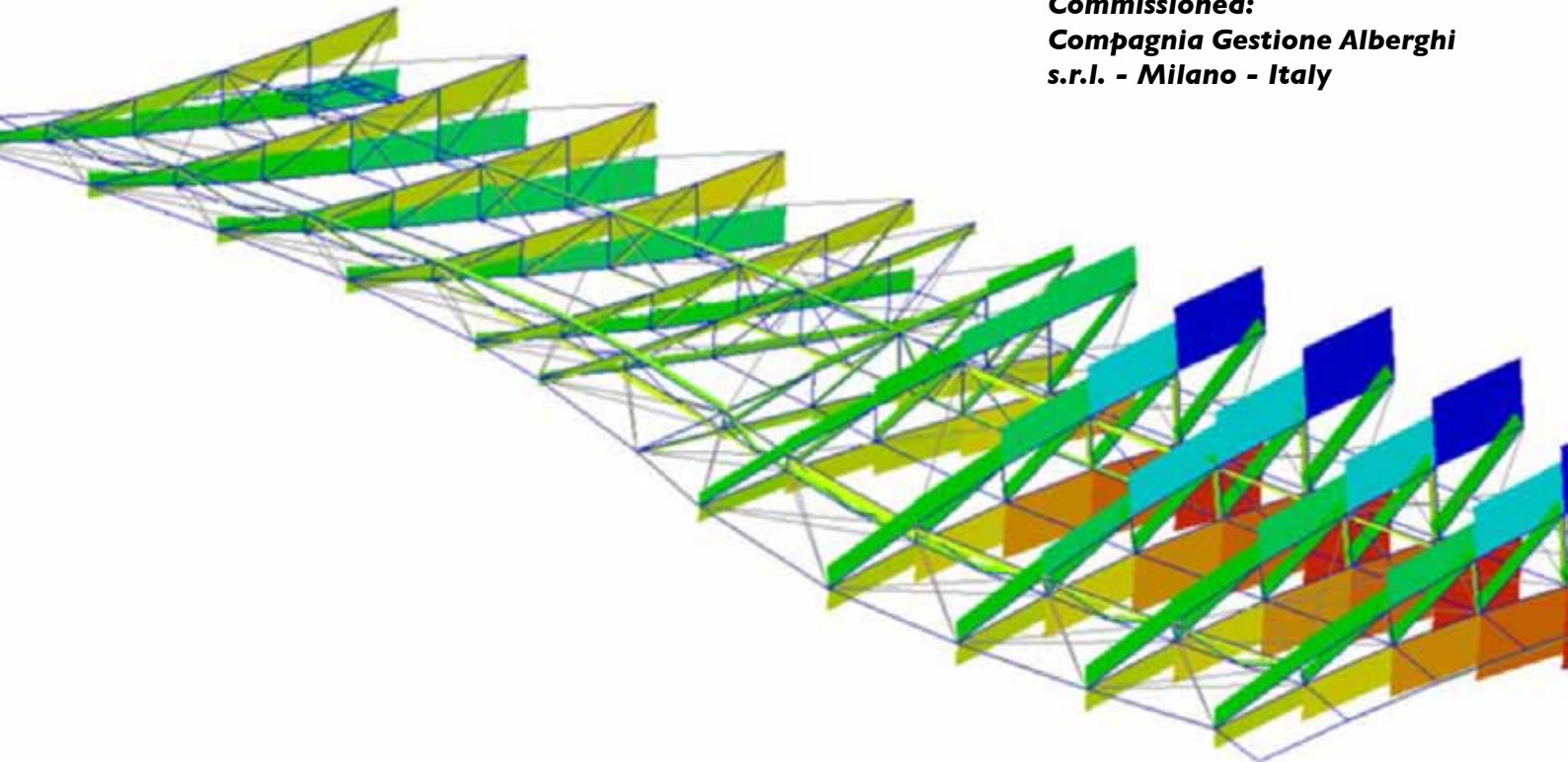
Commissioned:
Assenza Giuseppe

Work assignment of Structural Design with seismic retrofitting of a brick building to be used in tourist accommodation called "Villa of the Papyri" new and manufactured for use as a restaurant Traversa Cozzo Pantano in Siracusa - Italy.

Commissioned:
Assenza Giuseppe

Design, maintenance extraordinary and seismic improvement of "Hotel Fontane Bianche" site on the coast of Fontane Bianche in Syracuse - Italy.

Commissioned:
Compagnia Gestione Alberghi
s.r.l. - Milano - Italy



Some work performed for public commissioning

Work assignment of Management and design works of the consolidation on the Building sector No. 3 of the block between lanes 2 and 3 in Via della Giudecca, the island of Ortigia in Syracuse. Coordinated by Prof. Mr. Braga and Prof. Monti University La Sapienza University of Rome, Prof. Mr. Liberatore University of Basilicata, Mr. Scalora and Mr. Catania with function of the parent company in assignment with the Arch. Francesco Cavarra and The Geom. Francesco Meli

Commissioned:
Comune di Siracusa - Italy - Dipartimento della Protezione Civile

Work assignment of Planning system electrical and lighting for Works of restoration of Ramparts Forte Vigliena and San Giovannello in Syracuse - Italy.

Soprintendenza ai beni culturali ed ambientali di Siracusa - Italy.

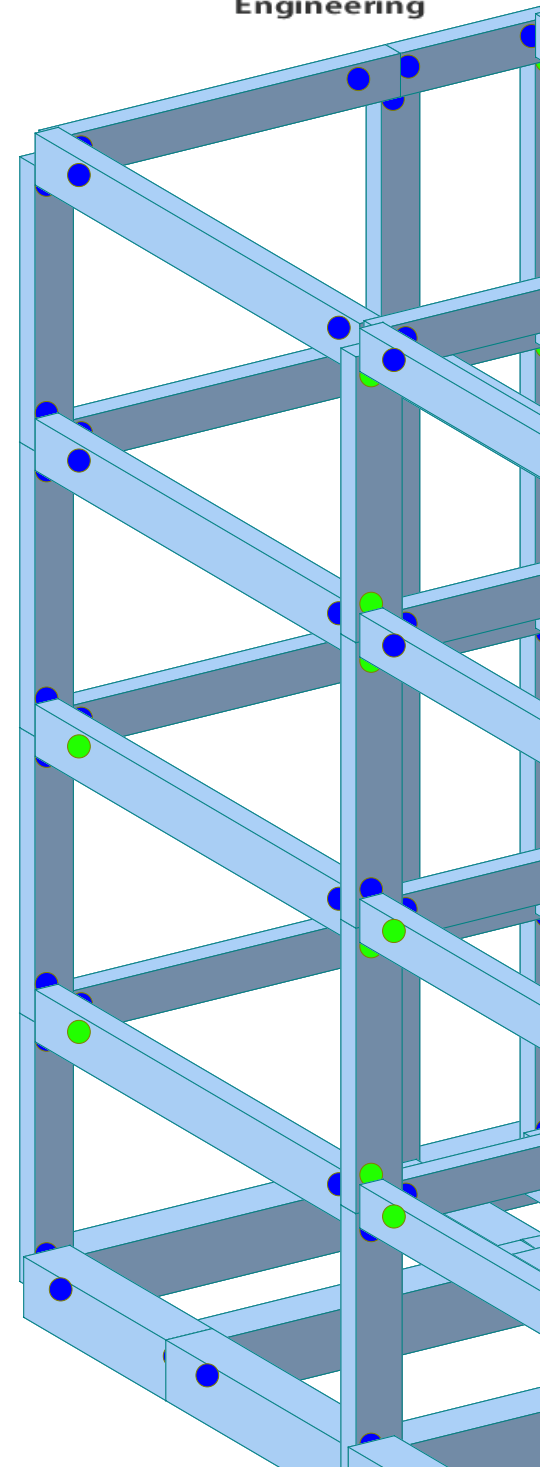
Structural design of the scales Steel safety in the Palace Sports in the draft of Fire Prevention in the area of Siracusa Akradina, on behalf of the designer Ing C. Paguni.

Commissioned:
Comune di Siracusa - Italy

Report for the geotechnical design of the necessary works rehabilitation and defense of S.S. 122 Agrigentan affected by instability of landslide origin between the Km 59 +500 and Km 62 +000 "for sizing works of art.

Commissioned:
Dipartimento A.N.A.S delle Sicilia - Italy.

Assignment of structural design and systems of work Restoration and conservation of the building Archdiocese in Syracuse on behalf of the Presidenza della Regione Siciliana – Palermo - Italy



Structural modelling for verification the structures of the structure called the Bell Tower Church of San Pietro in Modica, in the Province of Ragusa - Italy.

Assignment of Arch. Enrico Reale, tecnico incaricato da Presidenza della Regione Siciliana - Palermo - Italy. In assignment with Ing. Calogero Paguni.

Design of prevention fires of the Sports Hall Syracuse ,Akradina locality, in collaboration with Ing. C. Paguni on behalf of the City of Syracuse - Italy.

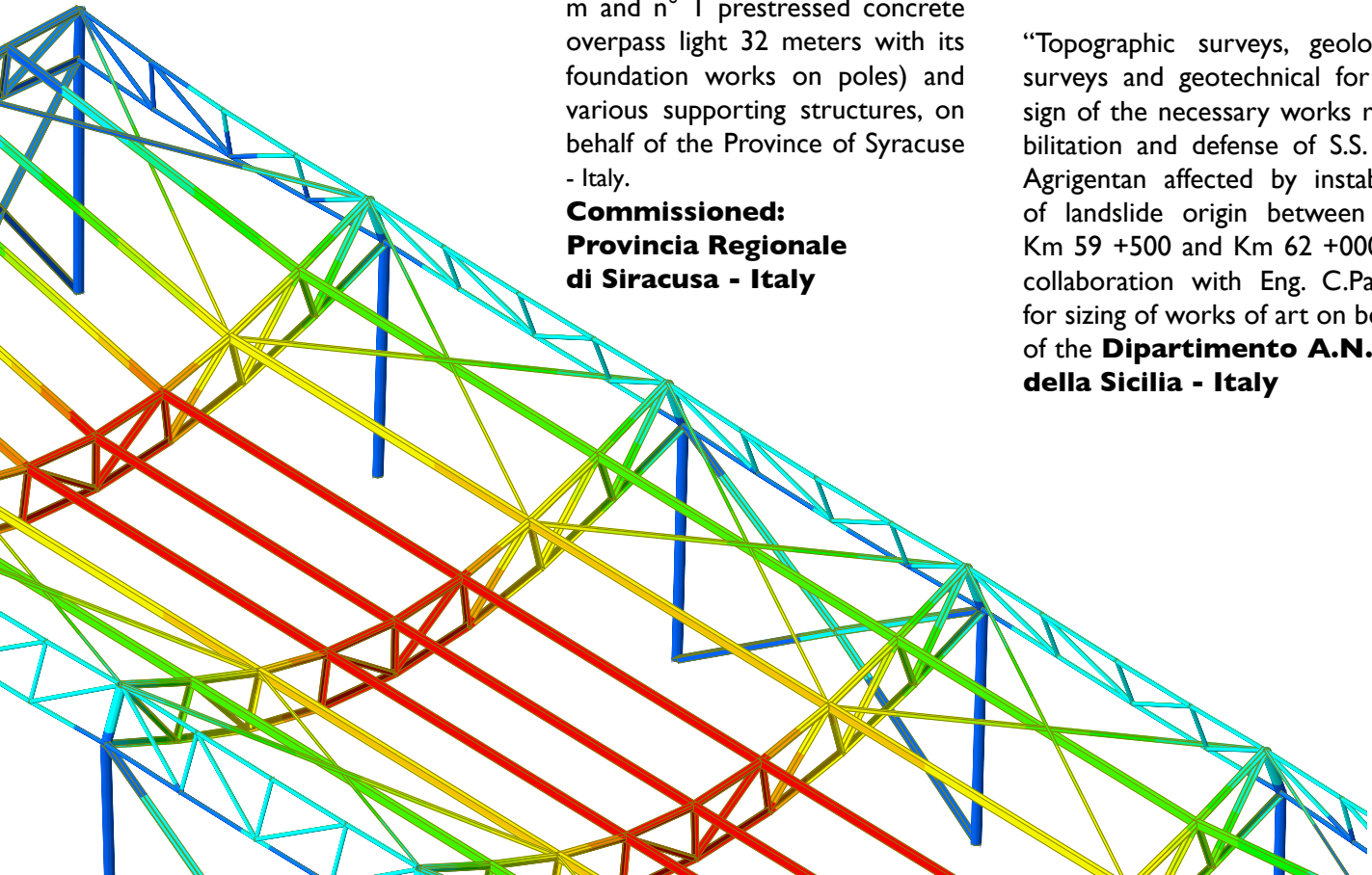
Commissioned:
Comune di Siracusa - Italy

“Elimination of crossings flush on S.S. 114 and realization connecting roads Agnone-Vaccarizzo “in Syracuse in collaboration with Eng. C. Paguni, in the calculation works of art (No. 2 bridges Steel light 40 m and n° 1 prestressed concrete overpass light 32 meters with its foundation works on poles) and various supporting structures, on behalf of the Province of Syracuse - Italy.

Commissioned:
Provincia Regionale di Siracusa - Italy

“Consolidation with micro and tie-bulbate foundations, wall side of the South-West-Castle of Frederick Augusta” in collaboration with Ing. C. Paguni on behalf of the **Soprintendenza ai beni culturali ed ambientali di Siracusa - Italy.**

“Topographic surveys, geological surveys and geotechnical for design of the necessary works rehabilitation and defense of S.S. 122 Agrigentan affected by instability of landslide origin between the Km 59 +500 and Km 62 +000 “in collaboration with Eng. C.Paguni for sizing of works of art on behalf of the **Dipartimento A.N.A.S della Sicilia - Italy**



“Topographic surveys, geological surveys and for the geotechnical design of the necessary works the restoration of the riverbed and to the defense of S.S. 115 “South Western Sicilian “at Km 398 +150 m, (divided into three bays with light of about 20.00 m and allows crossing the creek Mortellaro). In collaboration with Eng. C.Paguni for sizing works of art (Walls, shoulders and bridge decks) for account
Dipartimento A.N.A.S della Sicilia - Italy.

Project maintenance, comply with Legislation Lega Pro and prevention system fire Stadium “ Simone De Nicola” in the Lion in Cuella square collaboration with the Geom.V. Gugliotta.

Commissioned:
Comune di Siracusa - Italy

Structural design of the cover steel of the main stand Stadium “Nicola De Simone” in Cuella Lion Square in Syracuse - Italy.

Commissioned:
Comune di Siracusa - Italy

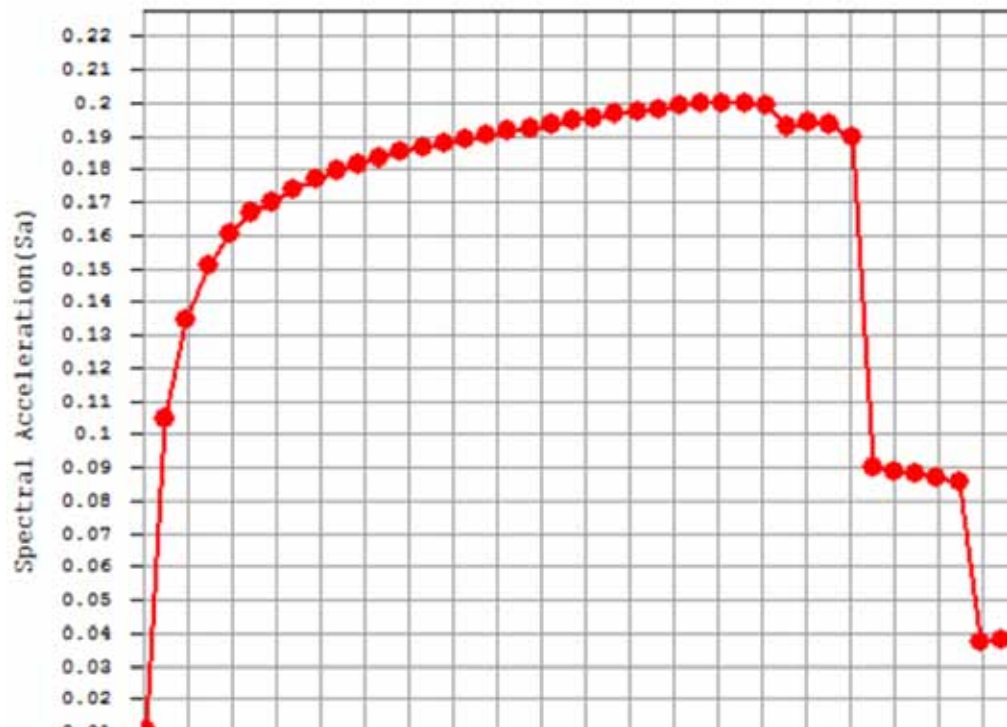
Design for the restoration and maintenance extraordinary historical portal and the historic grandstand of Stadium “Nicola De Simone” in the Leo Cuella square in collaboration with the Surveyor.V. Gugliotta.

Commissioned:
Comune di Siracusa - Italy

Assignment for the extraordinary maintenance Project and distribution function of the building owned by the Chamber of Commerce of Syracuse - Italy.

Camera di commercio di Siracusa - Italy

Capacity Spectrum vs. Demand Spectrum



Some work Within photovoltaic

Assignment for the design of metal structures needed for the creation of a plant from 993.6 kWp photovoltaic Integrated Agricultural Greenhouses On A Website Ramacca In Contrada Iannarello Sheet 104, 315 Referred Part.Lla "Elettronika"

PROMECS.r.l.
C.da Fondovia
96018 Pachino (SR) - Italy

Design for the construction of metal structures necessary for the construction of a photovoltaic plant from 993.6 kWp integrated greenhouses on site in Ramacca Contrada Iannarello called "Econika"

PROMECS.r.l.
C.da Fondovia
96018 Pachino (SR) - Italy

Design for the realization of n ° 4 greenhouse structures with partial coverage PV, to be erected in Contrada Carrata, Pachino (SR) San Luigi s.r.l.

PROMECS.r.l.
C.da Fondovia
96018 Pachino (SR) - Italy

Design for the construction of Serra with a partial coverage Photovoltaic, called "OLIVE" to be erected in Contrada Albanello, Ispica (RG) - Italy, owned by Mr. Carmelo Giannuso

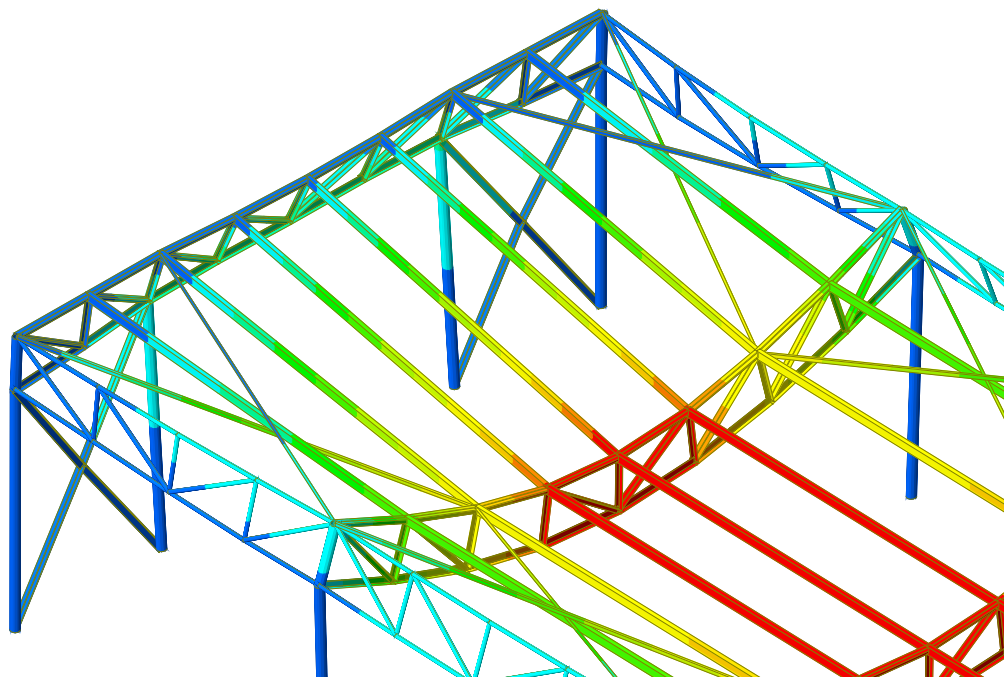
Sig. Carmelo Giannuso

Commission for the Project for the construction No. 8 of solar greenhouses steel to support photovoltaic panels, to be erected in Contrada Imperatore, Ragusa (RG) - Italy, Property Agricultural Society of Arts Garden Energy S.r.l.

T.I.Me S.P.A.
Via Luigi Spagna, 50
96100 Siracusa (SR) - Italy

Project for the construction of two types of Solar Trackers 6x6m2 and 6x8m2 to use for several wind farms in the Italian territory.

Metal Tecno Service
C.da Targia - Siracusa - Italy



Publications

Publications of ten texts structural calculation with related software for the calculation on behalf of Darius Flaccovio Publisher Palermo

The titles are currently on sale in bookstores in the country.

The titles are currently on sale in bookstores in the country.

“Designing the wooden structures according to DM2008 “

“Designing Steel structures second DM2008”

“Connections in wood structures”
in collaboration with Andrea Gioia

“Structural steel lattice design and verification”

“Design and Verification of reticular structures spatial steel”

“Connections in Steel Structures”

“Designing steel structures”

“Designing the wooden structures according to EC5”

“Atlas of steel structures”

“Designing structures in Masonry”
in collaboration with Giovanni Conticello

“Designing structures in the r.c.”
in collaboration with Giovanni Trigili





SebastianoFlorida Engineering

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Partita Iva: 01077770897

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