

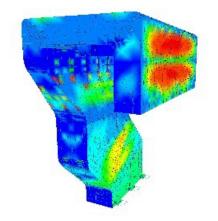


PIPESUPPORT CONSULT

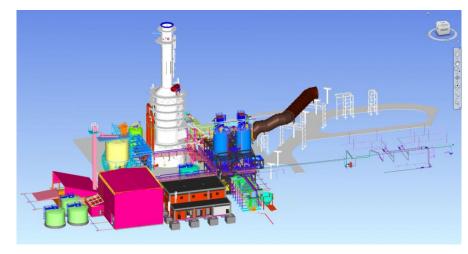
PIPESUPPORT CONSULT was founded in January 2006 in Bucharest, Romania, having a wide range of capabilities and experience in the following fields of activity:

- ✓ Energy & Power Plants
- ✓ Nuclear Power Plants
- ✓ Oil & Gas Refineries
- ✓ Industrial & Civil Structures









For over 19 years, not only in Romania, but also in Europe, **PIPESUPPORT CONSULT** acquired a good reputation due to the recognized quality of its specialists and achievements through continuous improvement of its performances regarding the quality of services we provide.





Certifications & Authorizations

PIPESUPPORT CONSULT provides high quality engineering services and technical assistance and consultancy and assures that our services are in compliance with Clients' requests, also aiming to satisfy the quality requirements.



For this, we have implemented the integrated health, safety, environmental and quality system, certified by TUV SUD Management Service GmbH, according to **DIN EN ISO 9001:2015**, **DIN EN ISO 14001:2015 & DIN ISO 45001:2018**.



Our company is also authorized by The state inspector for Boilers,

Pressure Vessels and Lifting Equipment's Control (ISCIR)

(CNCAN) – *Authorization CNCAN nr. 24-047/03.10.2024*

PT ISCIR C1 -RADTE IP — DISPR/CR4/E/4,5/0381/0/08.04.2011
PT ISCIR C10 -RADTE IP — DISPR/CR4/E/19/0384/0/11.04.2011
PT ISCIR C6 -RADTE IP — DISPR/CR4/E/13/0383/0/11.04.2011
PT ISCIR C4 -RADTE IP — DISPR/CR4/E/8/0382/0/08.04.2011
PT ISCIR C9 -RADTE IP — DISPR/CR4/E/17,18/4195/0/11.11.2024
and National Commission for the Control of Nuclear Activities







Software

Using the latest versions of software, we are able to provide quality engineering that is reliable, efficient, economic and functional.

The whole technical documentation is computer - assisted.

- > AUTODESK AUTOCAD 2D, 3D
- > AUTODESK ADVANCE STEEL
- > AUTOCAD PLANT 3D
- **NAVISWORKS**
- > REVIT
- > INTERGRAPH CAESAR II
- > INTERGRAPH CADWORX PLANT
- > GRAITEC ADVANCE DESIGN
- > SAP 2000
- > ROBOT STRUCTURAL
- > MATHCAD
- > LICAD
- > AFT ARROW
- > AFT FATHOM
- > PV Elite



AUTODESK Navisworks Manage

















NOTE: GRAITEC ADVANCE DESIGN and INTERGRAPH CAESAR

II software can be used for design including in the Nuclear Field.





Conventional and Nuclear Energy Sector



PIPESUPPORT CONSULT performs **engineering** and consulting works on **Power Plants** and **Cogeneration** facilities. Our team has participated in numerous projects in Romania and internationally in the **industrial** sector, providing **engineering** services and cutting-edge strategic advice. No project is too big a challenge for our team, which has participated in numerous projects of new energy facilities, rehabilitation and optimization of existing **Power Plants**.

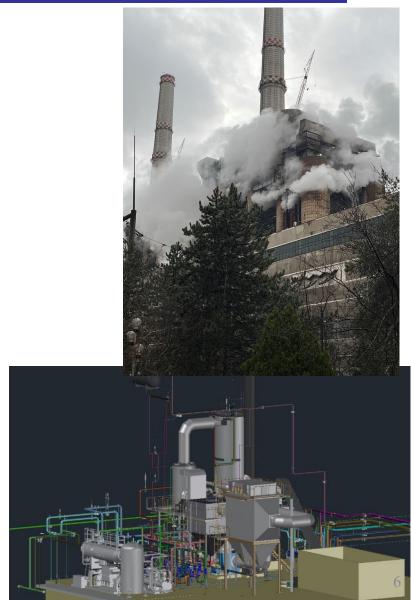




Engineering Services:

- Basic and Detail Piping design for Power Plants (including the classic part of Nuclear Power plants) and district heating networks:
 - ▶ P&ID; 3D Modelling; Sizing piping systems; Preparation of pipe classes;
 - Top view plans and isometric drawings of piping systems; Assembly plans;
- Calculation of flexibility and stress analysis by CAESAR II;
- Preparation of specifications and datasheets for related facilities of Power Plants and Cogeneration Plants:
 - > Pumps, valves, piping, supports, thermal insulation;
- Preparation of quantity take-offs and bill of materials;
- Technical projects and detailing for pressure vessels and tanks
- For the transfer of their remaining life;

 Technical expertise of piping systems and pressure vessels with the estimate of their remaining life;
- Preparing examination programs, tests and investigations to assess the technical condition of pipelines;
- Vibration measurements for piping systems
- Inspection, tuning and blocking/deblocking spring hangers and pipe supports







References for Power Plants engineering services:

CET GOVORA; CTE ROVINARI; BANIAS SIRIA; CET PAROSENI; CET CRAIOVA II; CET ISALNITA; ROMAG TERMO; ELCEN BUCURESTI; ALSTOM POWER ROMANIA; CET PALAS; CTE TURCENI; CET ORADEA; CET1 CHIMIEI BACAU; CET LETEA BACAU; SC DALKIA TERMO PRAHOVA SRL; CET LUKOIL; VEOLIA ENERGIE PRAHOVA; CTE IERNUT; CTE IERNUT / IERNUT COMBINED CYCLE POWER PLANT

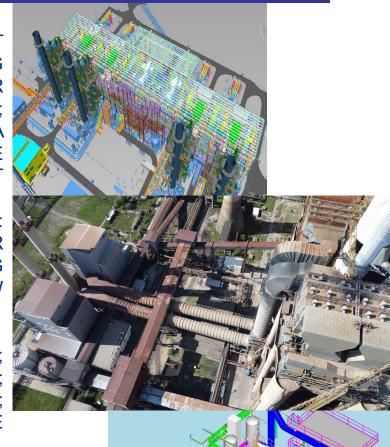
YIT INDUSTRIAL AND NETWORK SERVICES LTD:
MARCHWOOD POWER PLANT, SEVERN POWER
PLANT; SUOMENOJA POWER PLANT; BOXBERG
POWER STATION, MARITZA POWER PLANT; NAREW
POWER PLANT-POLONIA

References for District heating engineering services:

DALKIA TERMO PRAHOVA; SCCE CRAIOVA; TERMOFICARE 2000 PITESTI; CET CRAIOVA II; ENERGOTERM TULCEA; COLTERM SA Timisoara; SACET MUNICIPIUL PITESTI; RETEA TERMOFICARE CERNAVODA;

References for Other industries engineering services:

INERGY AUTOMOTIVE SYSTEMS ROMANIA; ALSTOM GENERAL TURBO; FABRICA ULEI BUZAU; S.C. SUPREME CHOCOLAT S.R.L; SC SORTILEMN SA; PETROFAC Ticleni; UZINA FORD; BIT Invest S.R.L.; HEINEKEN ROMANIA SA

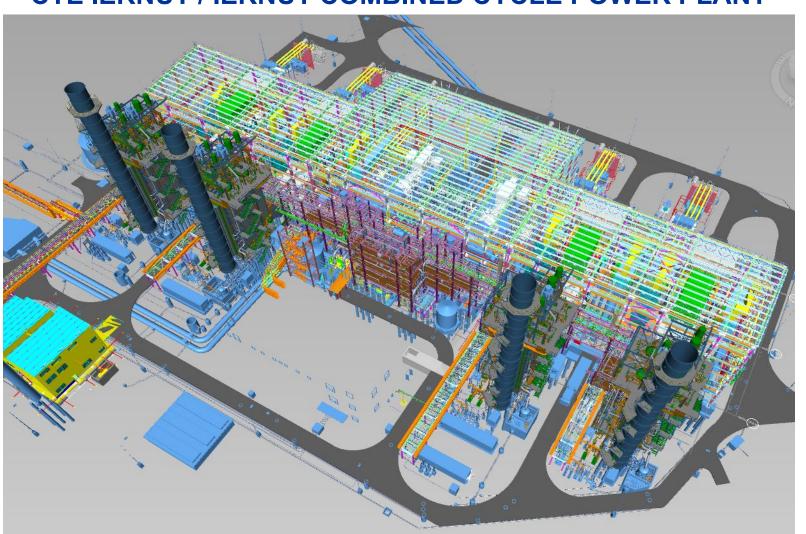






Detail Design for all piping system and technical site assistance for

CTE IERNUT / IERNUT COMBINED CYCLE POWER PLANT

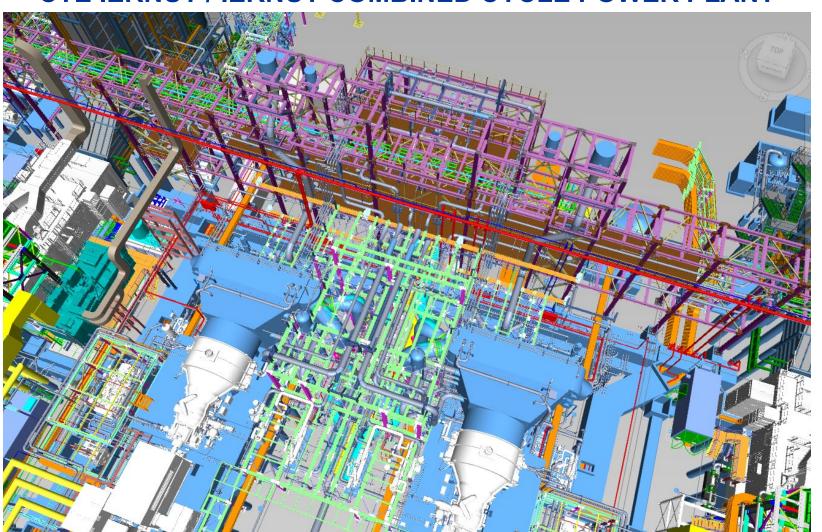






Detail Design for all piping system and technical site assistance for

CTE IERNUT / IERNUT COMBINED CYCLE POWER PLANT

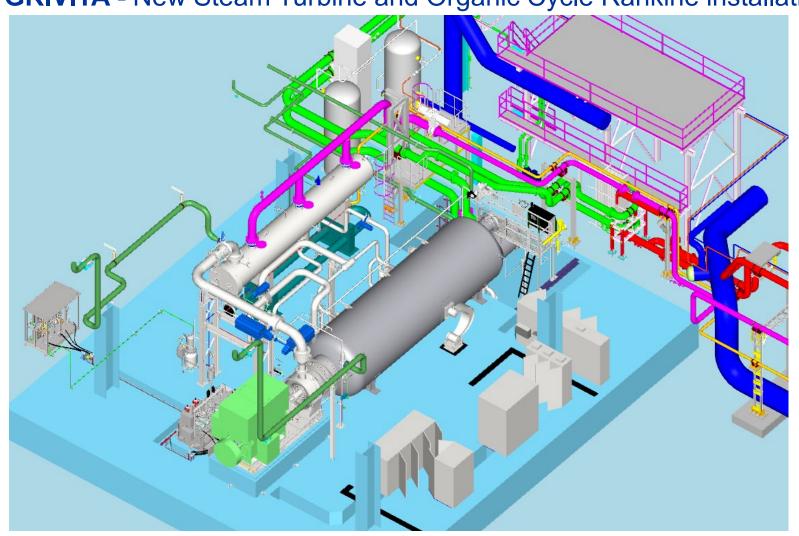






Basic and Detail Design for all piping systems

CET GRIVITA - New Steam Turbine and Organic Cycle Rankine installation

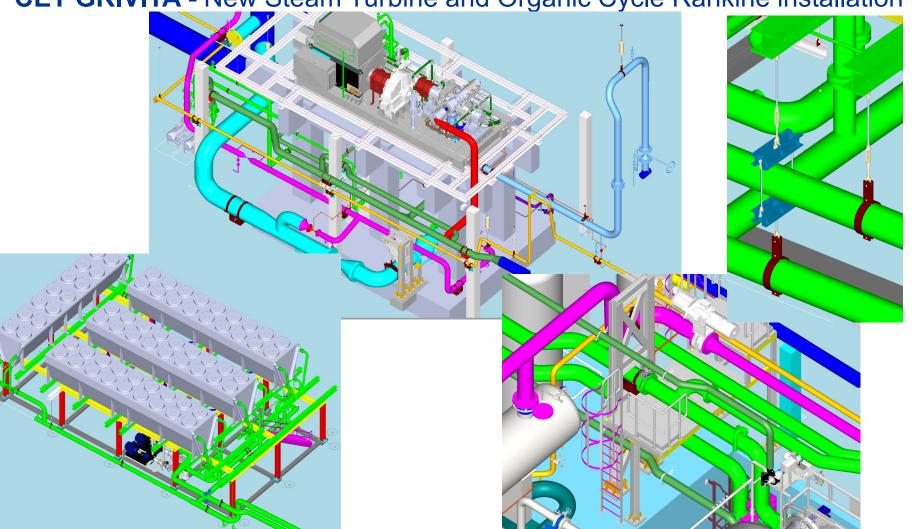






Basic and Detail Design for all piping systems



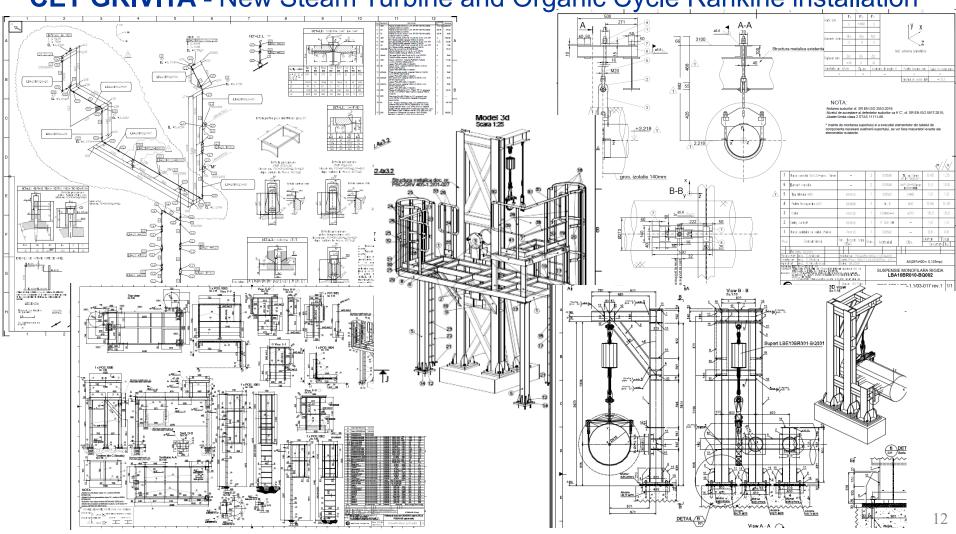






Basic and Detail Design for all piping systems

CET GRIVITA - New Steam Turbine and Organic Cycle Rankine installation

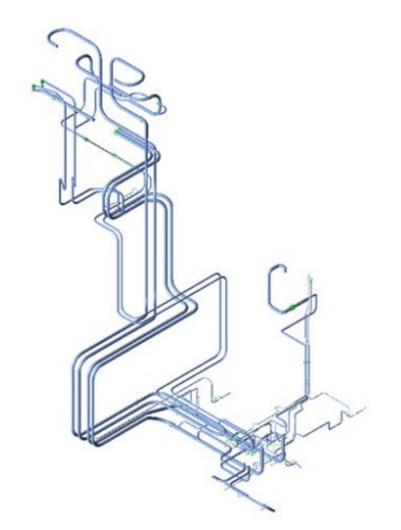


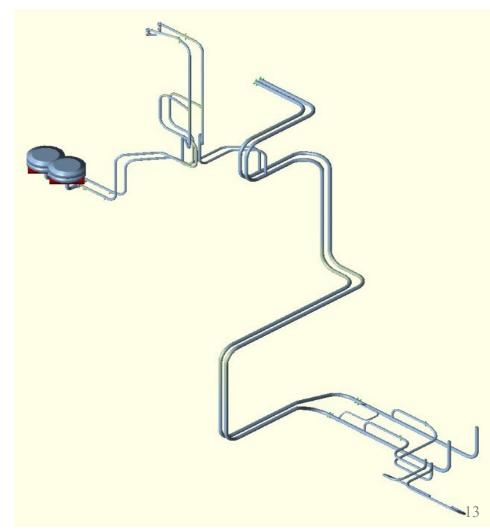




PIPING SYSTEM FLEXIBILITY CALCULATION

Software: CAESAR II

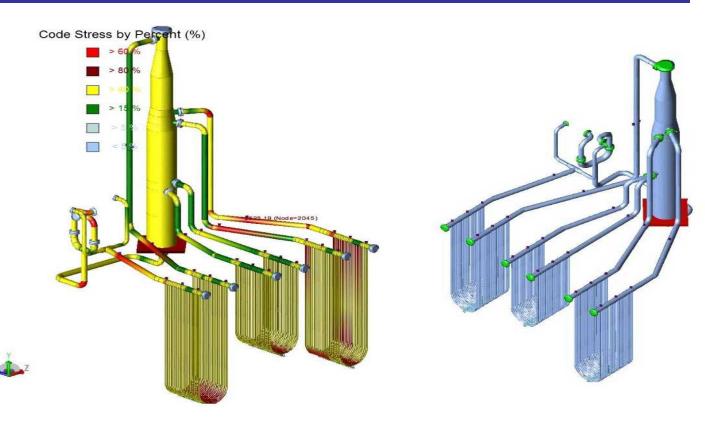












Within the bounds of **oil refining plants**, chemical and **petrochemical plants** and their related industries, **PIPESUPPORT CONSULT** deals with **engineering** works, technical expertise, consulting and maintenance for **pipelines**, **pipe support** systems and pressure equipment.

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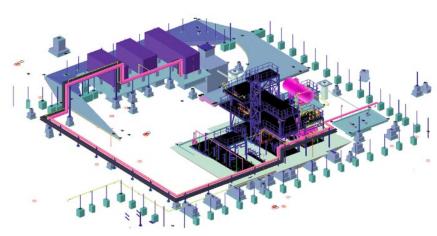


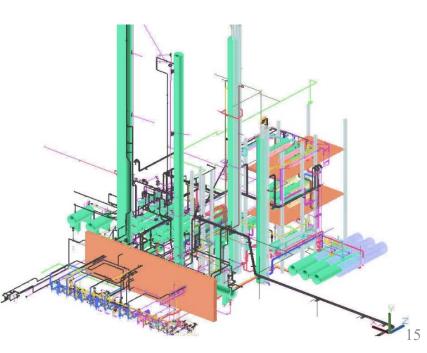
Services:

- ➤ Technical expertise of piping systems and pressure vessels with the estimate of their remaining life;
- Preparing examination programs, tests and investigations to assess the technical condition of pipelines;
- ➤ Technical expertise for the support system of existing pipeline systems, including tuning of spring hangers;
- Maintenance services for piping systems and their support system;
- Detailing projects and assembly documentation for pipelines systems;
- Sizing, technical projects and detailing for pressure vessels;
- ➤ Flexibility calculation and stress analysis of piping systems; Piping circuits optimization in terms of flexibility.

References:

 OMV Petrom, PETROTEL LUKOIL PLOIESTI, ROMINSERV, OLTCHIM, RAFINARIA VEGA PLOIESTI, RAFINARIA MIDIA NAVODARI

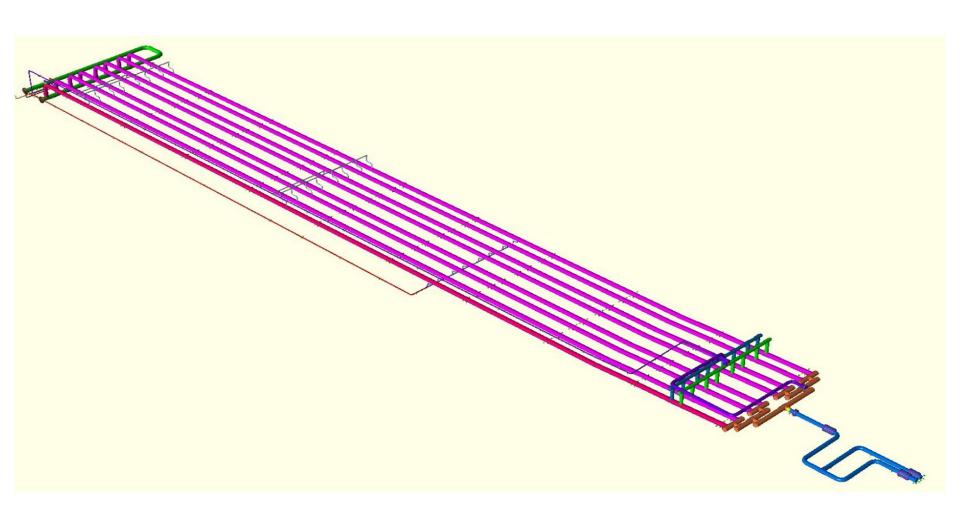








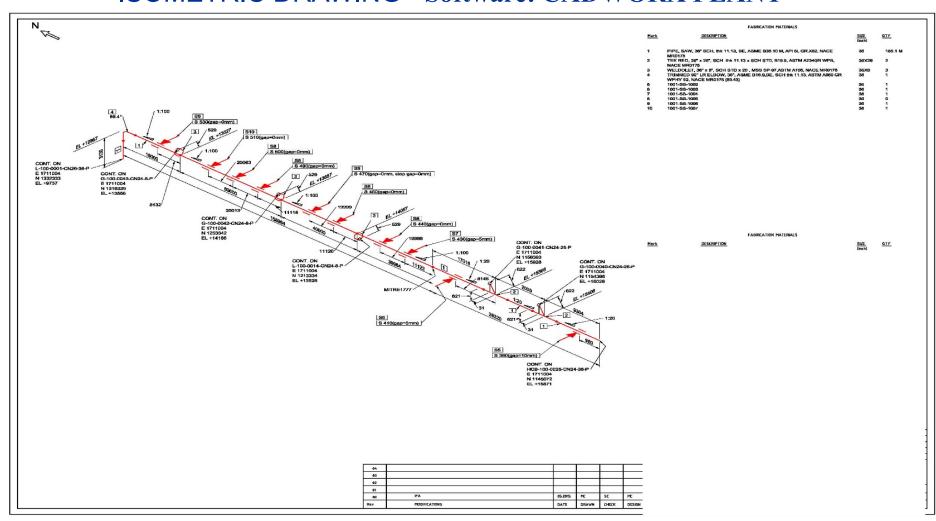
SLUG CATCHER – Software: CAESAR II







ISOMETRIC DRAWING - Software: CADWORX PLANT







Nuclear Power Plants

PIPESUPPORT CONSULT obtained the CNCAN authorization for its quality management system for engineering design and technical expertise in the nuclear field (the classical part of the nuclear power plant) for pressure equipment and piping systems, pipe supports and steel structures in 2020.

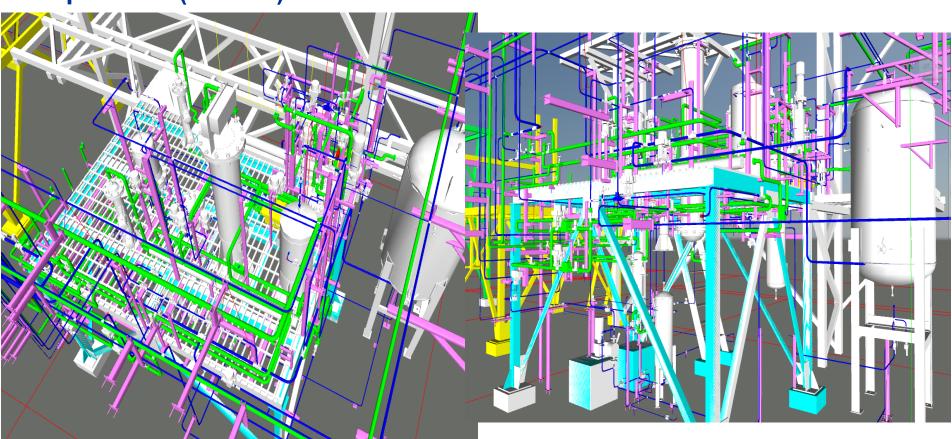


In 2023 PIPESUPPORT CONSULT was qualified by Cernavoda Power Plant as a design engineering services provider for: Design, calculation and consulting engineering services for pressure vessels, piping systems, pipe supports and steel structures for CNE Cernavoda





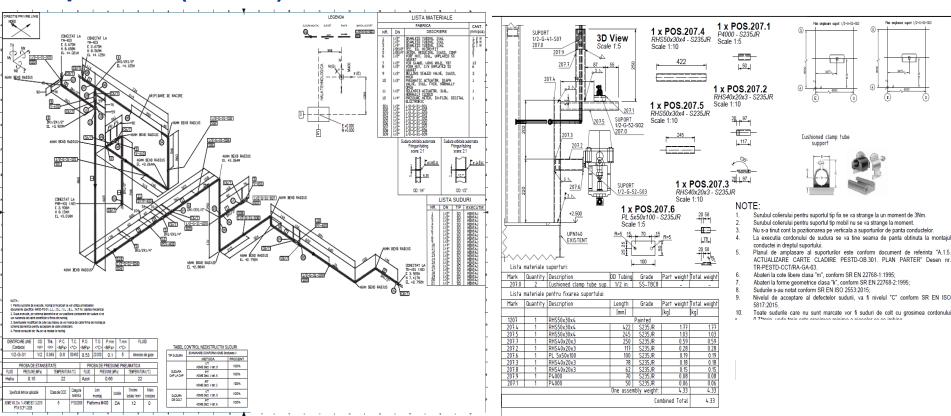
Detail Design for Nuclear piping systems - Purged gas treatment system within the Experimental Pilot Installation for Tritium and Deuterium Separation (PESTD) - ICSI-RM. VALCEA - Software: CADWORX PLANT







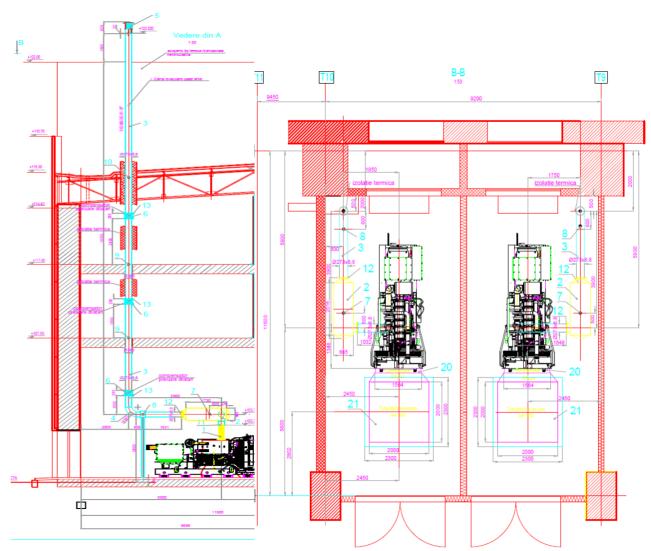
Detail Design for Nuclear piping systems - Purged gas treatment system within the Experimental Pilot Installation for Tritium and Deuterium Separation (PESTD) - ICSI-RM. VALCEA - Software: CADWORX PLANT







CERNAVODĂ U5- INTEGRATED SERVICES BUILDING



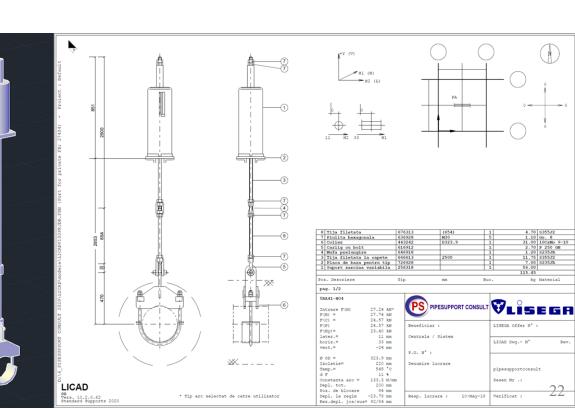
Project for assembly of the Diesel generators level +100,00 m) and gas exhaust pipe







Variable and Constant supports and secondary steel structure design







PIPING VIBRATION MEASUREMENT & MONITORING

















Structural Engineering

Engineering services:

Technical and Detail engineering projects for

- steel structures & platforms
- storage tanks & silos
- piping supports & secondary steel structures
- flue gas ducts
- ventilation ducting

Nevic

Navisworks Manage

AUTODESK

FEM analysis with the aid of Graitec Advance Design 3D Modelling with Autodesk Advance Steel, Revit, Autocad





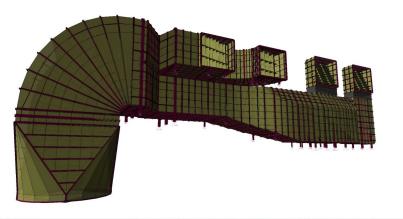


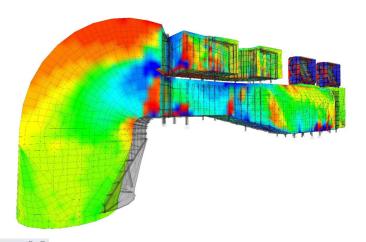


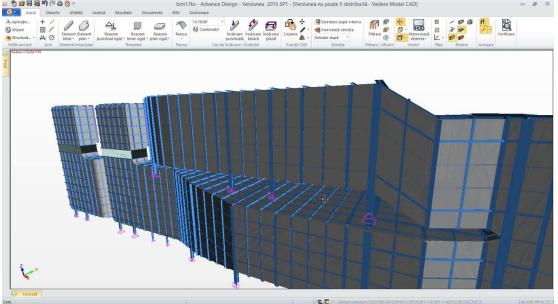


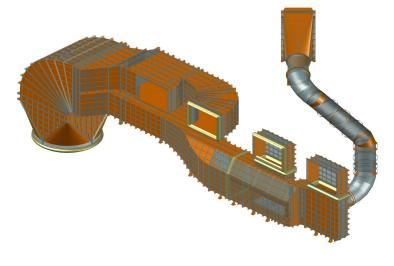
FLUE GAS DUCTS (UNIT 5 Rovinari, Romania) - Basic+Detail Engineering

Software: GRAITEC ADVANCE DESIGN





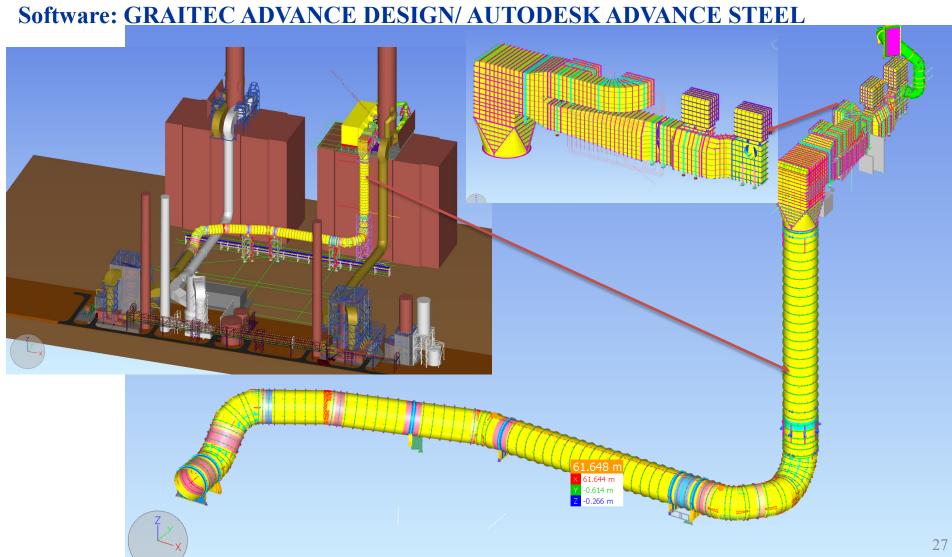






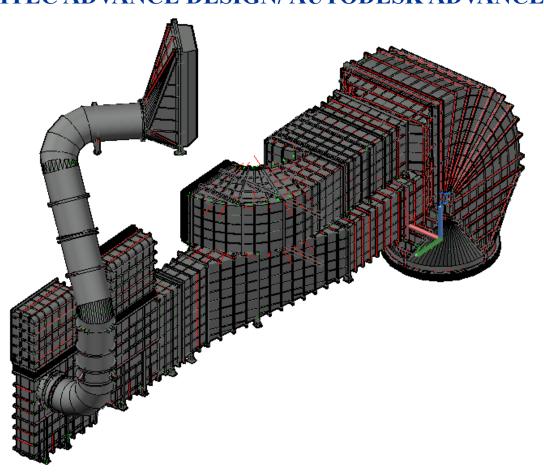


FLUE GAS DUCTS (UNIT 5 Rovinari, Romania) – Basic+Detail Engineering



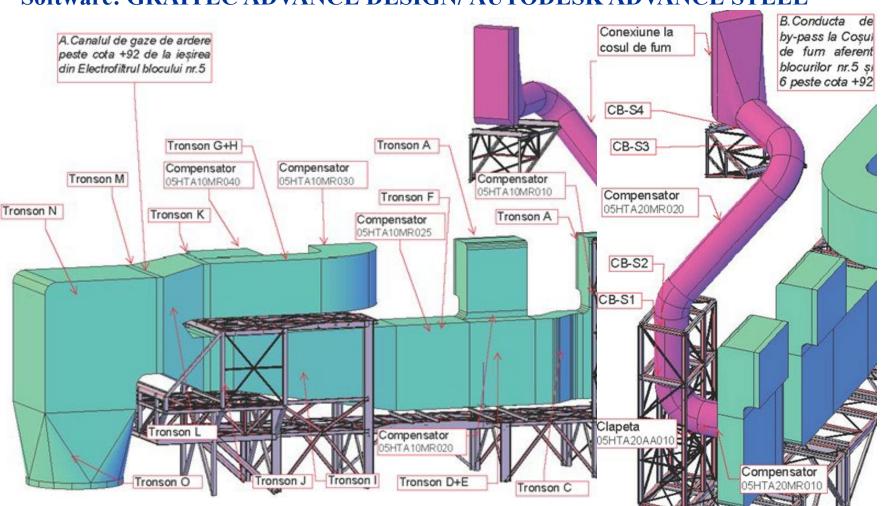






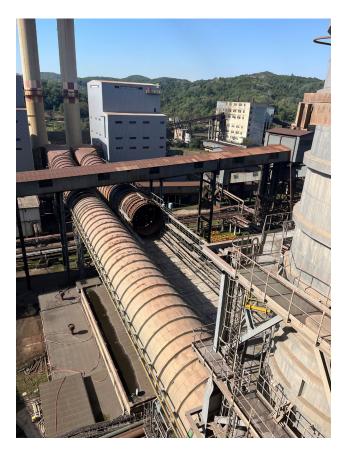




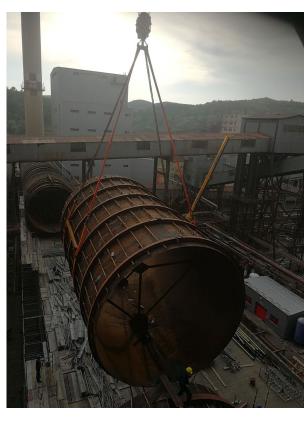




















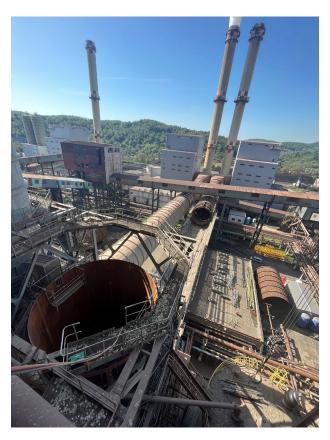






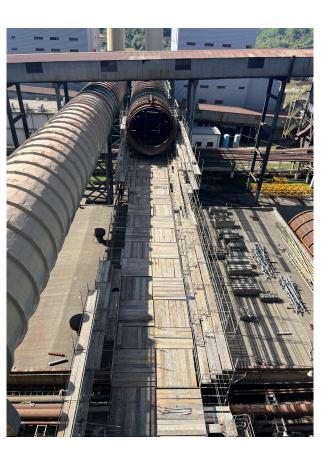




















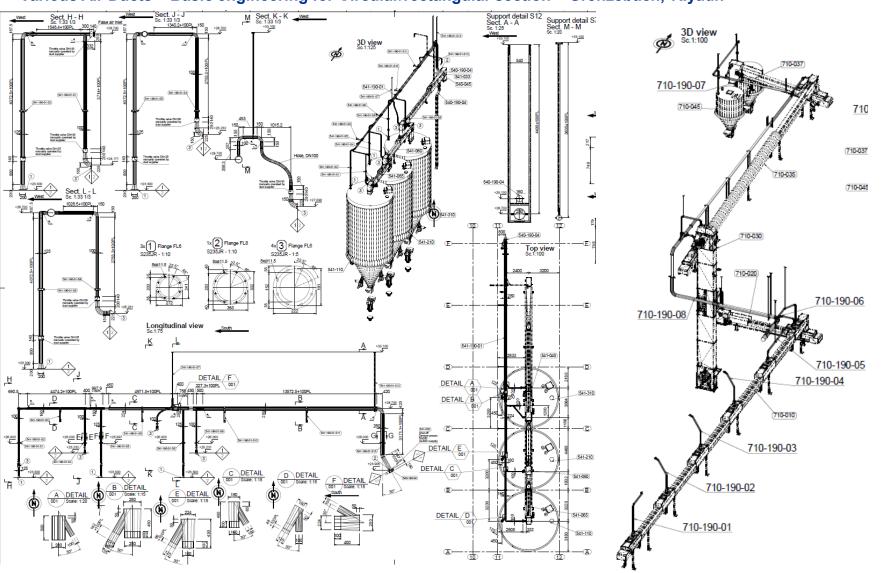








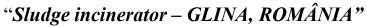
Various Air Ducts - Basic engineering for Circular/rectangular section - Grenzebach, Riyadh





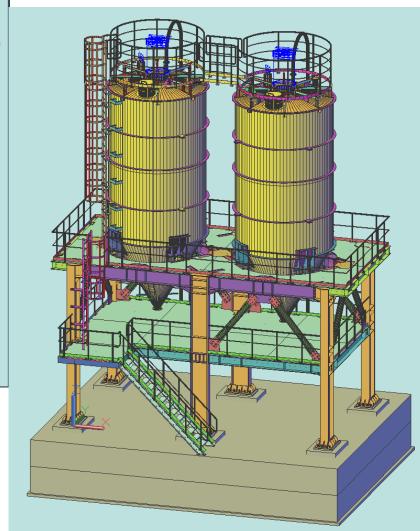






Steel silos for storage:

- LIME SILO 50m³
- SAND SILO 50m³
- ASH SILO 215m³
- SODIUM BICARBONATE SILO 80m³
- RESIDUE SILOS 80m³









Steel silos for storage : "Sludge incinerator – GLINA, ROMÂNIA"







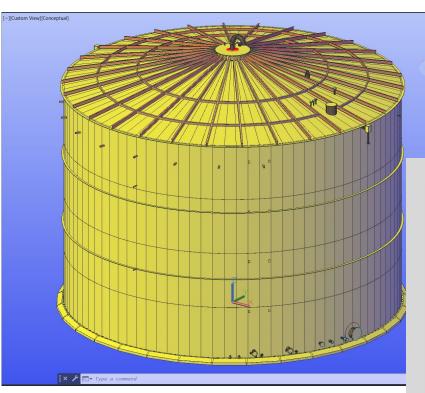
Steel silos for storage : "Sludge incinerator – GLINA, ROMÂNIA"

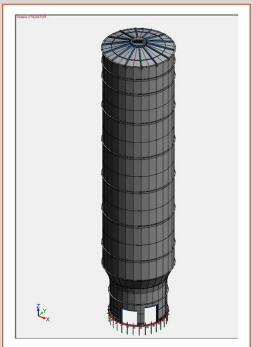






STORAGE TANK DESIGN– Software: GRAITEC ADVANCE DESIGN



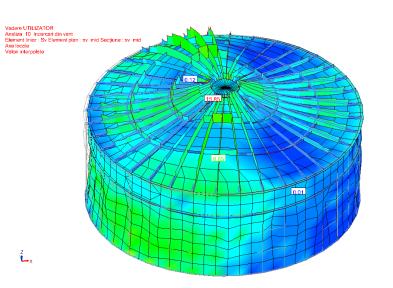


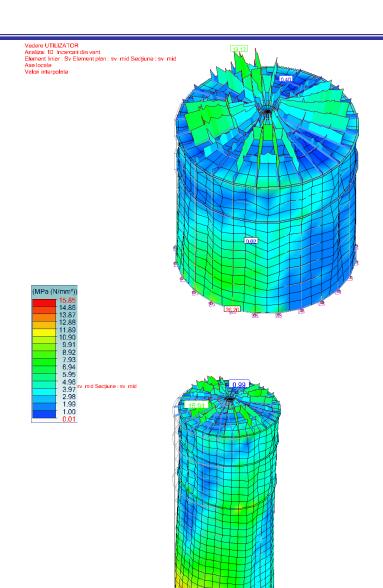


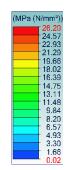


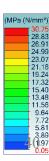


STORAGE TANK DESIGNSoftware: GRAITEC ADVANCE DESIGN







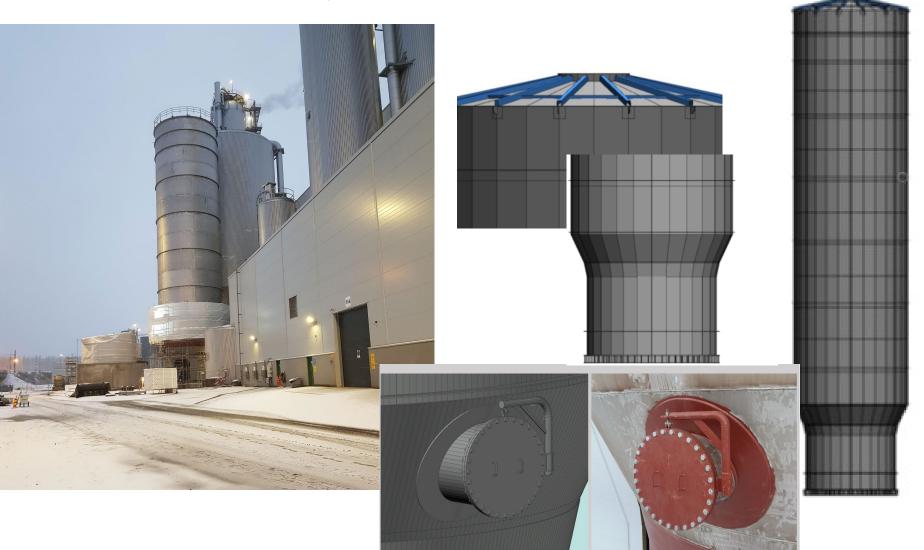








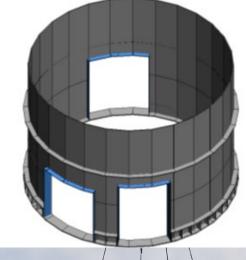
PULP TOWER DESIGN, V=3000M³ Äänekoski, FINLAND







PULP TOWER DESIGN, V=3000M³ Äänekoski, FINLAND



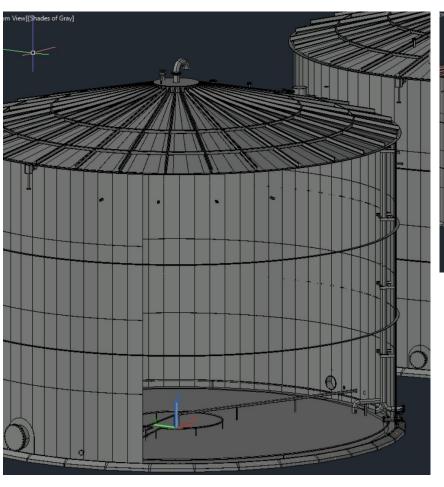




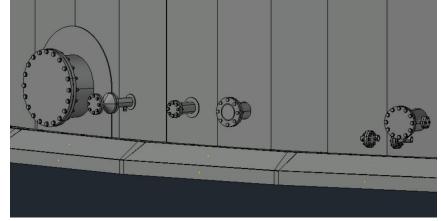




STEEL STORAGE TANKS FOR OIL PRODUCTS, Huutokoski, Finlanda, V=3500m³/buc, D=19m, H=13m) – 3D Model – Autodesk Advance Steel



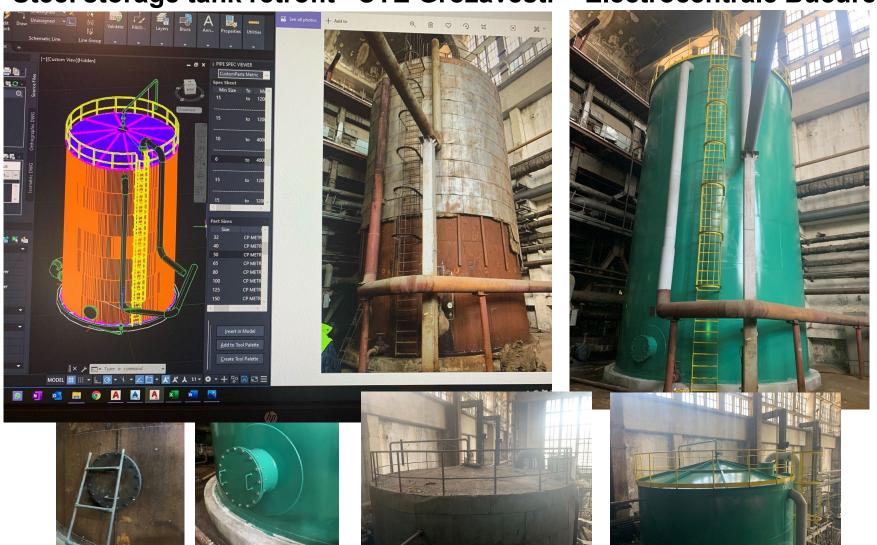








Steel storage tank retrofit -CTE Grozavesti - Electrocentrale Bucuresti













THANK YOU FOR YOUR ATTENTION!

For more information about our company and further references, please visit our website: www.pipesupport.ro

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