



35⁺ years in Oil, Gas & Petrochemicals

COMPANY PRESENTATION

- STP Studi Tecnologie Progetti S.p.A. Engineering & Contractor is operating worldwide for Projects implementation in the sectors of Oil Refining, Gas Processing, Petrochemicals, Lubricants, Energy, Environment & Circular Economy Sector.
- STP provides Feasibility Studies, FEED, Basic and Detailed Engineering, EPC, EPCM, PMC services including technology and access to finance.
- The Company has extensive experience and know how in Oil Refining, Gas Processing, Lube Oil, Used lube oil Re-refining and Chemicals & Petrochemical.



1990

STP Studi Tecnici e Procedure S.r.l. is established as Consulting Engineering Company

2007

STP is an EPC Contractor and wins LSTK Contracts in Iraq

2012

STP change the legal form from Ltd to Co.

1999

STP's full name becomes STP Studi Tecnologie Progetti S.r.l.

2010

The Company is a worldwide General Contractor in Oil & Gas Petrochemical and Energy

2025

STP celebrate 35 years of experience

History

Established in 1990 - 35 years of global experience

Target Industries

Oil & Gas, Lubricants, Petrochemicals, Chemicals & Pharmaceuticals, Energy, Environment & Circular economy

Track Record

A successful standing of more than 250 projects in 4 continents and over 20 countries through affordable and reliable state of the art technologies.

Association

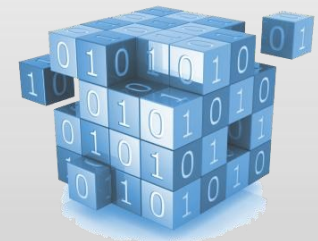
Member of EFCA, ANIMP and AIDIC Engineering Associations
Registered Contractor at major Oil Companies

HSEQ Management system

Integrated Management System certified ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

Head Quarter

Da Vinci Executive Centre, Rome - Italy





**BUREAU
VERITAS**



Bureau Veritas Certification

S.T.P. STUDI TECNOLOGIE PROGETTI S.P.A.

Viale Alexandre Gustave Eiffel, 13/15 - 00148 ROMA (RM) - Italy

Certified site:

Viale Alexandre Gustave Eiffel, 13/15 - 00148 ROMA (RM) - Italy

Bureau Veritas Certification Holding SAS - Italy Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 14001:2015

Scope of certification

General Contractor for the design and supply of industrial plants in the oil & gas, petrochemical, energy and industrial plants in general.

IAF: 34

Certificate issued in accordance with the Technical Regulation ACCREDIA RT-09

| | |
|---|------------------|
| Original Cycle Start Date: | 13-January-2023 |
| Expiry date of previous cycle: | 12-January-2026 |
| Certification / Recertification Audit date: | 21-November-2025 |
| Certification/Recertification Cycle Start date: | 22-December-2025 |
| Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: | 12-January-2029 |

Certificate No. IT348686

Version: 1

Revision date: 22-December-2025

Gloria Tocetola
Signed on behalf of BVCH SAS - Italy Branch



Certification body address: Viale Monza, 347 - 20126 Milano (MI) Italy
Local office: Viale Monza, 347 - 20126 Milano (MI) Italy

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.
To check the validity of this certificate please double click or scan QR CODE





**BUREAU
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ISO 45001:2018

Scope of certification

General Contractor for the design and supply of industrial plants in the oil & gas, petrochemical, energy and industrial plants in general.

IAF: 34

| | |
|---|------------------|
| Original Cycle Start Date: | 28-December-2022 |
| Expiry date of previous cycle: | 27-December-2025 |
| Certification / Recertification Audit date: | 21-November-2025 |
| Certification/Recertification Cycle Start date: | 22-December-2025 |
| Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: | 27-December-2028 |

Certificate No. IT348687

Version: 1

Revision date: 22-December-2025

Gloria Tortola
 Signed on behalf of BVCH SAS - Italy Branch



Member degli Accordi di Mutuo Riconoscimento CA e IAF
 Signatary of EA and IAF Mutual Recognition Agreements

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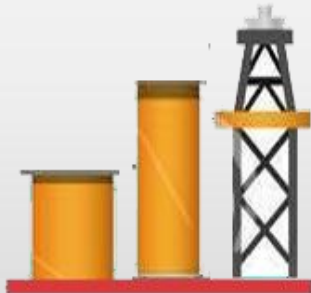
PETROCHEMICALS & CHEMICALS



OIL & GAS



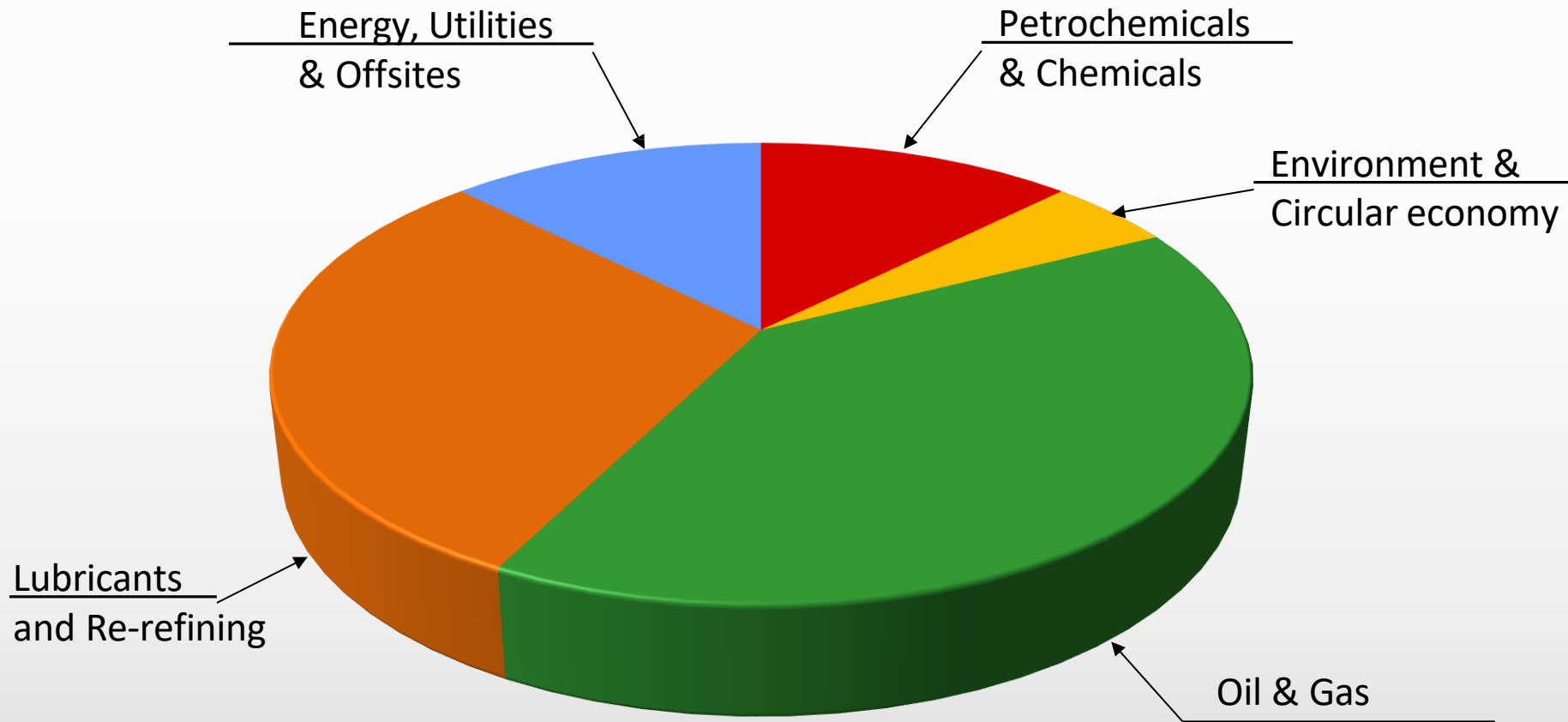
LUBRICANTS & RE-REFINING

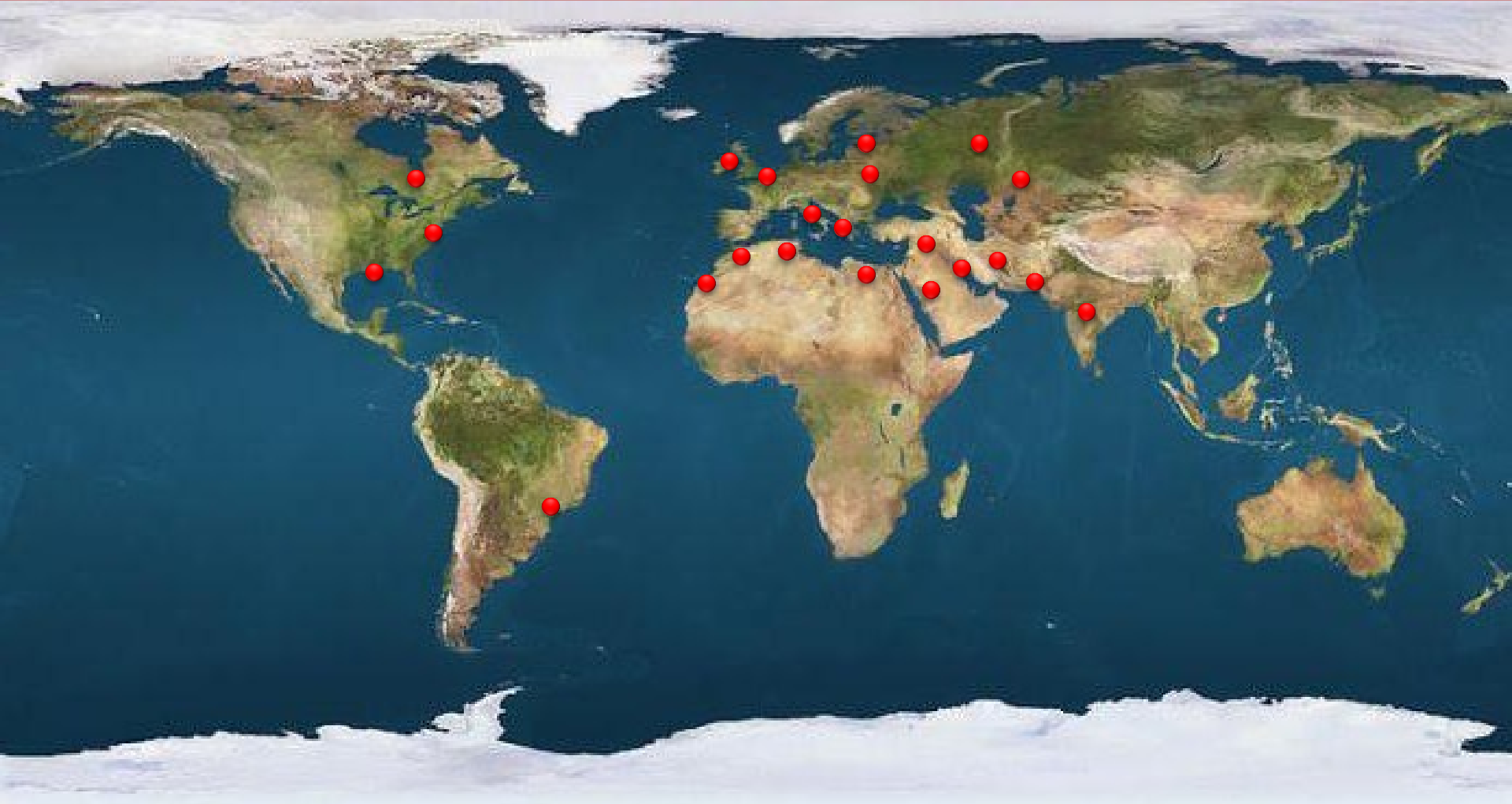


ENERGY, UTILITIES & OFFSITES



ENVIRONMENT & CIRCULAR ECONOMY 8





OIL & GAS

- Crude and Vacuum Units:
- Hydrotreating & Hydrodesulphurization
- Isomerization and Catalytic Reformer
- FCC and Visbreaker
- Bitumen Processing
- Gas Processing, Sweetening & Compression
- LPG recovery

LUBRICANTS

- Lube Oil Production
- Lube Oil Blending and Packaging
- Used Lube Oil Re-refining

**PETROCHEMICALS /
CHEMICALS**

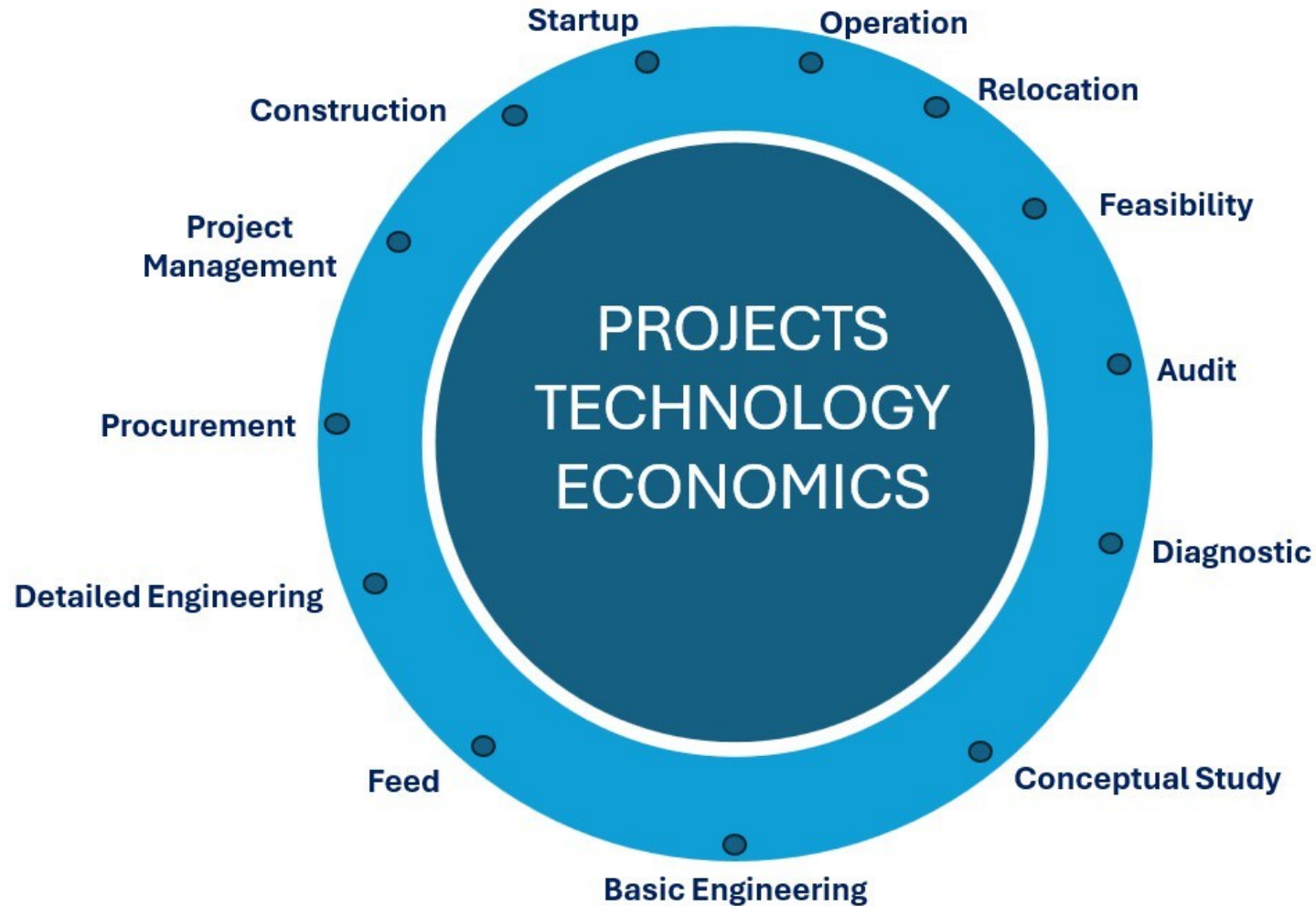
- Aromatics Production
- Ethylene Production
- Solvents Production (MIBK, MIBC)
- Pharmaceutical Production Modules

**ENERGY / UTILITIES / OFFSITES**

- Power Plants
- Utility and Offsite Facilities
- Storage and Loading

**ENVIRONMENT PROTECTION /
CIRCULAR ECONOMY**

- Metals recovery from WEEE
- Plant dismantling and relocation
- Wastewater treatment to agricultural
- CO₂ capturing



GENERAL STUDIES

- Feasibility studies
- Process optimization
- Revamping, expansion and debottlenecking
- Environmental impact evaluation, Risk analysis, HAZOP, Safety Report



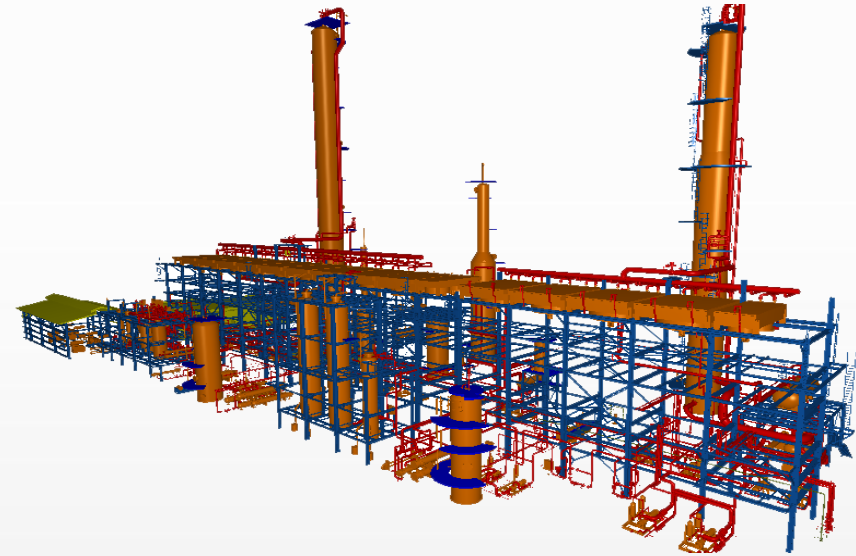
PROJECT MANAGEMENT SERVICES

- Project Management
- Project Planning and Control
- Document Management System



ENGINEERING SERVICES

- Process Engineering
- Basic Engineering
- FEED
- Detailed Engineering (All Disciplines)
- Constructability Engineering



GLOBAL PROCUREMENT SERVICES

- Requisitioning
- Purchasing
- Expediting
- Inspection and shipping coordination



EPC AND EPCM PROJECTS

- Supply of equipment and material
- Construction and erection works
- Precommissioning and start up
- Training of personnel
- Maintenance services
- Technical assistance
- Plants dismantling & relocation
- Financing facility



- STP holds advanced high-tech green technology of used lube oil re-refining to produce superior quality Base oils, successfully implemented in the realization of 17 Projects worldwide.
- STP has implemented a brand new system of E-Procurement backed-up with Blockchain routines (powered by ORACLE), which enables to deal effectively with Vendors and Subcontractors, aiming to improve rapidness, transparency possibility of direct negotiations and fast receipt of offers at the due date.
- STP offer the Predictive Maintenance (PM) technique as a dynamic approach to O&M Services, based on a combination of AI, IoT, AR routines and BC protocol.

PROCESS DESIGN

| | |
|-----------------------------|--|
| Process simulation | ASPENTECH HYSYS V 12.1 CHEMCAD 5.2.0 |
| Sweetening plant simulation | ASPEN HYSYS AMINE |
| Hydraulic calculation | L SIZE 1.03 (*) |
| Steam Network calculation | GATECYCLE |
| Flare/Blow down calculation | ASPEN FLARE SYSTEM ANALYZER CHEMCAD 5.4 |



TOWER DESIGN

| | |
|----------------------------|-----------------------------|
| Towers Trays and internals | SULPACK 3.1 KG TOWER 5.1 |
|----------------------------|-----------------------------|

HEAT TRANSFER

| | |
|----------------------------|------------------------|
| Heat integration | AUTOPINCH (*) |
| Thermal rating calculation | ASPEN HTFS+ V 12 |
| Air cooler calculation | ASPEN AIR COOLER EXCH. |

(*) In house software

ENGINEERING DESIGN MAIN SOFTWARES

3D Plant Modeling

CADMATIC 6.1.4
AVEVA PDMS 12.1



2D Design

AUTOCAD 2023

Structural Design

SAP IV

Piping stress and flexibility analysis

CAESAR II

PVHE Mechanical Design

ASPEN HTFS TEAM
MT-VESS

Control valves calculation

QUICK SIZE 3.5



Flow element calculation

ISO FLOW

Electrical design

ETAP 16
CALCULUX

PROJECT MANAGEMENT

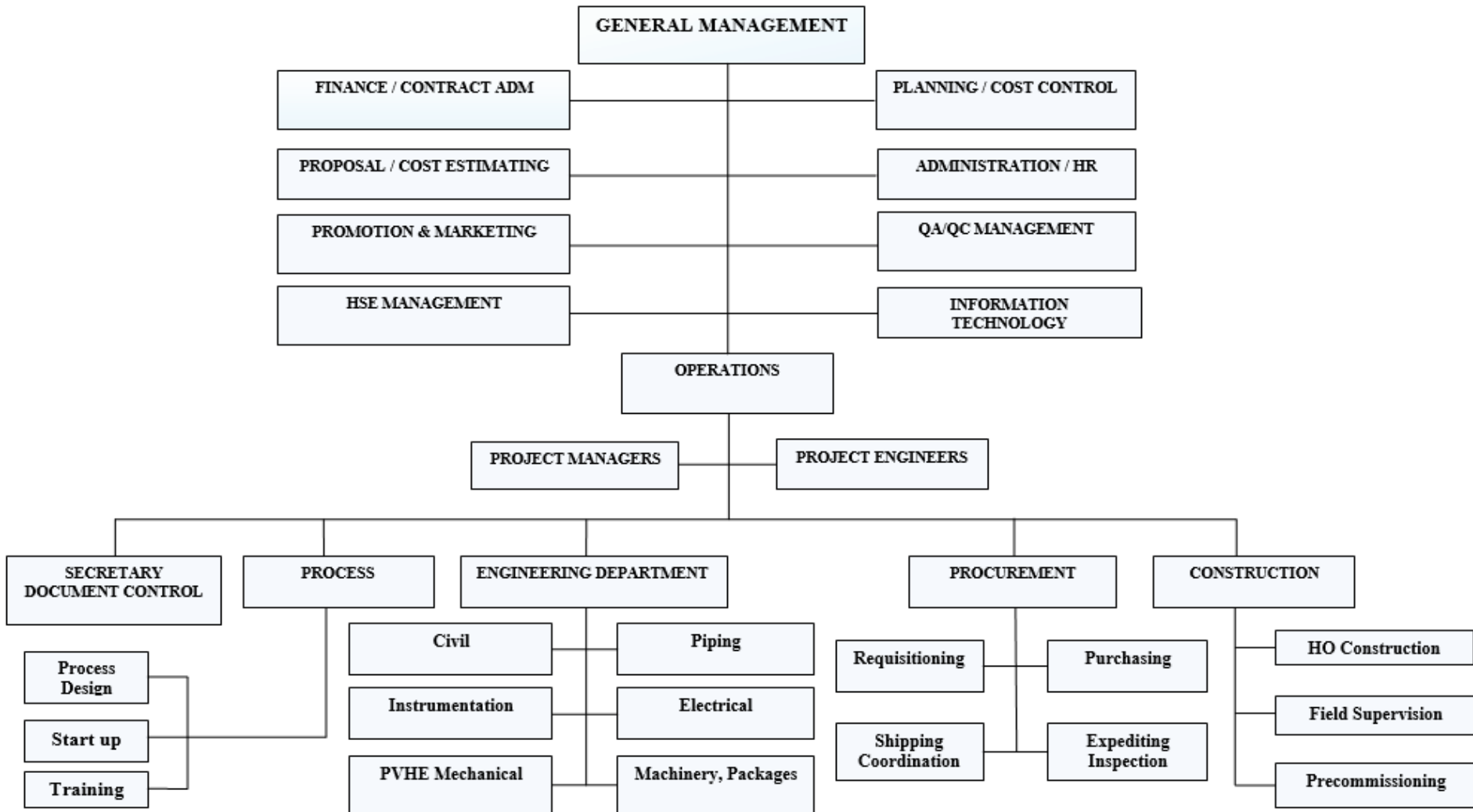
Planning and Project Control

PRIMAVERA P6
MS PROJECT

Document Management System

HYPER DOK







Carlo Gustavo Lombardi
Chief Executive Officer & General Manager



Franco Biciocchi
Chief Financial Officer



Silvia Lombardi
Finance & Administration Manager



Alessio Biancari
Process & Technology Manager



Natalie Di Carlo
Engineering Dept Manager



Nicola Salvatore Cavaliere
Oil & Gas Projects Director



Maurizio Contessi
Head of Project Control



Massimo Troiani
Energy Projects Director





TRANS-ASIA
OIL & ENERGY DEVELOPMENT
A PHINMA Company





OIL REFINING

Selected References



Project: 53,400 BPSD Refinery Upgradation CCR Complex- DHDS Unit and KHT Project -
Rawalpindi, Pakistan

Year: Ongoing

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Project: Crude Unit Revamping - Bizerte, Tunisia

Year: Ongoing



Project: 45 m³/h Amine Regeneration Package - Chavar, Iran

Year: 2016



Project: 13,000 BPSD Light Naphtha Splitter - Daura Refinery, Baghdad - Iraq

Year: 2016



CLIENT: MINISTRY OF OIL MIDLAND REFINERIES COMPANY

35⁺
YEARS



Project: 10,000 BPSD PENEX DIH Isomerization - Daura Refinery, Baghdad – Iraq

Year: 2016



Project: 53,000 BPSD CDU & VDU Revamping - Karachi Refinery, Pakistan

Year: 2013



Project: 53,000 BPSD Refinery Upgradation - Karachi Refinery, Pakistan

Year: 2013

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Project: 30,000 BPSD Topping Unit and Flare - Karachi Refinery, Pakistan

Year: 2018



Project: 200,000 BPSD Refinery - Haldia, West Bengal India

Year: 2011



Project: VDU and Asphalt Blowing Revamping - 5,100 BPSD Arzew Refinery – Algeria/
5,600 BPSD Skikda Refinery – Algeria

Year: 2010



Project: 280,000 Ton/y FCC CLO Fractionation - Sannazzaro Refinery, Italy

Year: 2006



Project: 17,000 m3 Jet Fuel Storage Revamping - Milazzo Refinery, Italy

Year: 2005



Project: 1,200 m³/h Mogas Blending - Milazzo Refinery, Italy

Year: 2004



Project: 110,000 BPSD CDU Revamping / 45,000 BPSD VDU Revamping
Livorno Refinery, Italy

Year: 2003



Project: 1,100,000 Ton/y Gasoline Splitter & Deisopentanizer - Taranto, Italy

Year: 2002



Project: 40,000 Ton/y Gasoline Rerun Unit - Sannazzaro Refinery, Italy

Year: 2002



Project: Crude Heaters and Boilers Revamping - Daura Refinery, Baghdad - Iraq

Year: 2000



Project: 35,000 BPSD FCC Unit - Corinth, Greece

Year: 2000



Project: 50,000 BPSD CDU N. 3 & 4 Revamping - Alexandria, Egypt

Year: 1998



Project: 40,000 BPSD Crude Heater Revamping - Biserta, Tunisia

Year: 1999



Project: 200,000 Ton/y Soft Wax Recovery - Alexandria, Egypt

Year: 1998



Project: 100,000 Ton/y Benzene Hydrogenation - Rome Refinery, Italy

Year: 1995



GAS PROCESSING

Selected References



Project: Gas compression station 4 x 25 MW
Upgraded turbo compressors, Messina, Italy



Project: Gas compression station 2 x 30 MW turbo
compressors, Messina, Italy



Project: Gas underground storage and compression station 2 x 10 MW turbo compressors, Sabbioncello, Italy



Project: Upgrading and relocation of 4" to 36" gas pipelines, 25 Km length, 75 bar pressure – North of Italy



Project: 600,000 Nm³/d Gas Treatment - Candela Gas Field, Italy

Year: 2006



Project: 3.0 M Nm³/d Natural Gas Processing - Gazaciak, Turkmenistan

Year: 1995



LUBRICANTS

Selected References



Project: 190,000 T/Y Re-refining Plant Upgrading - Yanbu, Saudi Arabia

Year: Ongoing



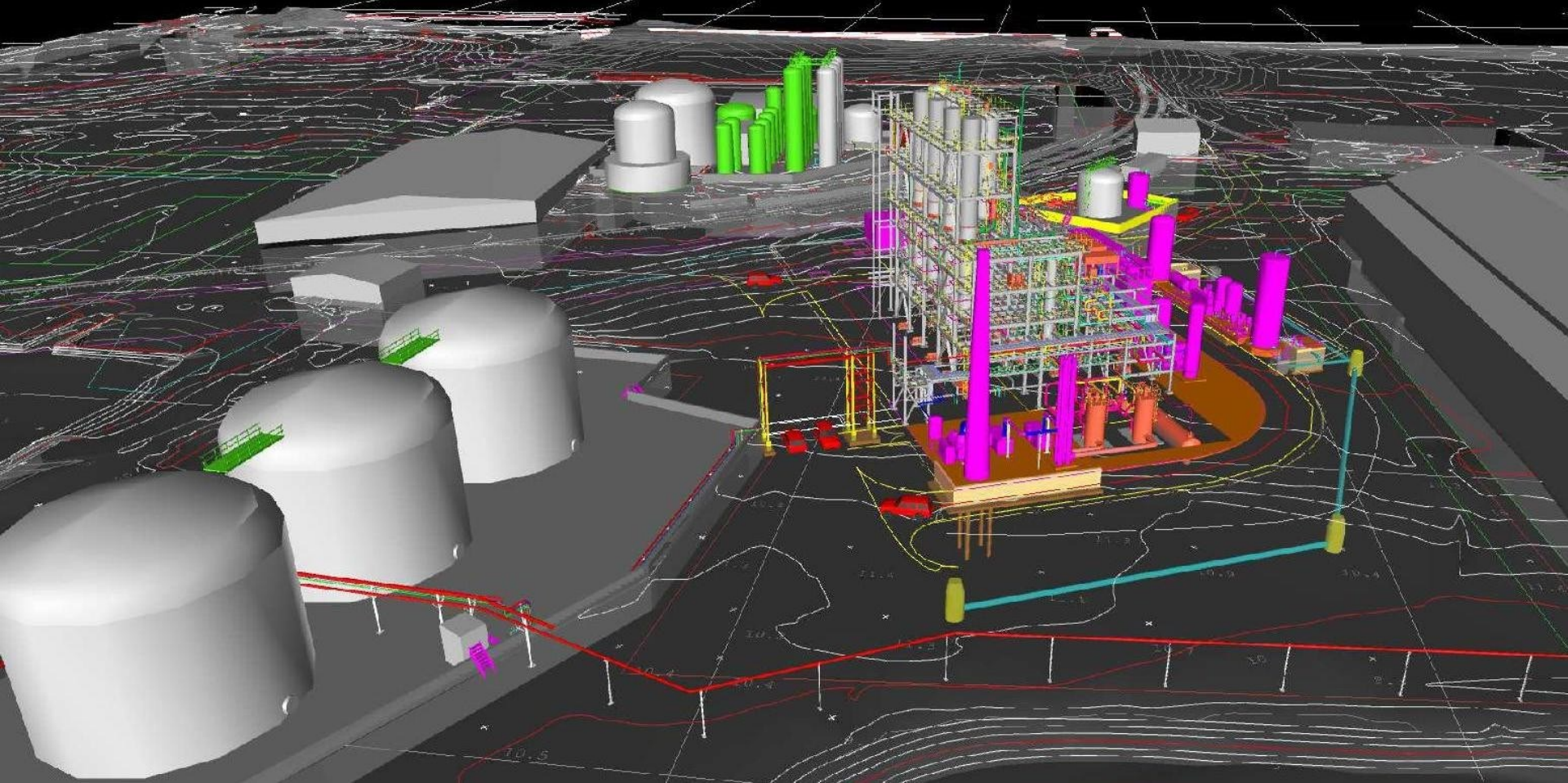
Project: 60,000 T/y Waste Lube Oil Re-refining - Klaipeda, Lithuania

Year: Ongoing



Project: 5.600 BPSD Used Lube Oil Re-refining Unit - Texas City, USA

Year: 2022



Project: 3,500 BPSD Used Motor Oil Recycling Unit - Baltimora, USA

Year: 2020



Project: 150.000 T/y Used Lube Oil Rerefining – Russia

Year: 2019



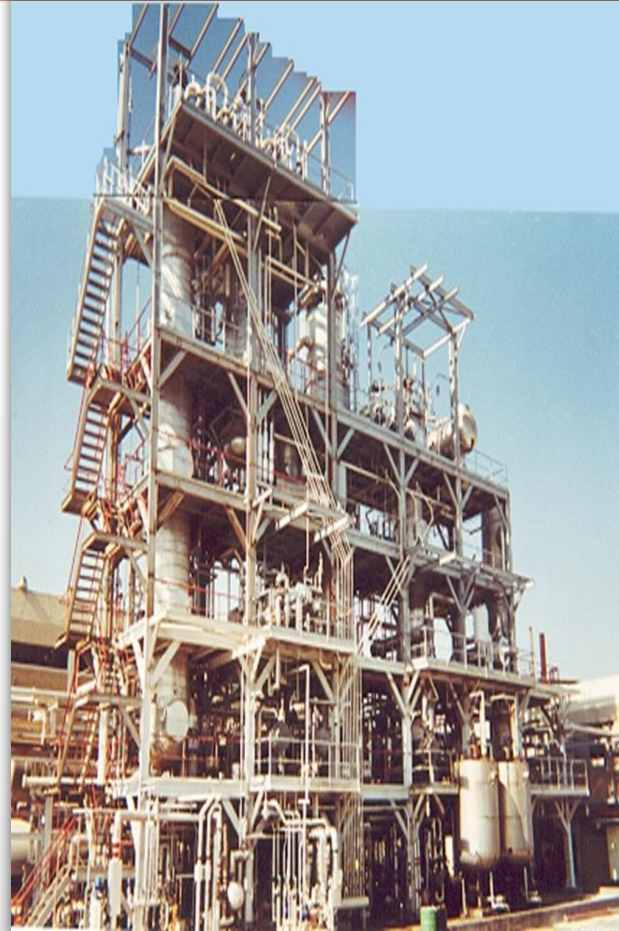
Project: 150.000 T/y Used Lube Oil Rerefining – Russia

Year: 2019



Project: 40 m³/h In line Lube Oil Blending

Year: 2016



Project: 33,000 Ton/y Used Lube Oil Re-refining - Ahmadi, Kuwait

Year: 2014



Project: 60,000 T/y Used Lube Oil Re-refining - St. Hyacinthe, Quebec

Year: 2013

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Project: 120,000 T/y Used Lube Oil Re-refining - Gonfreville l'Orcher, France

Year: 2012



Project: 30,000 T/y Used Lube Oil Re-refining - Nola, Italy

Year: 2008



Project: 20,000 Ton/y Used Lube Oil Re-refining - Bizerte, Tunisie

Year: 1998

CLIENT: GROUPO LWART

35⁺
YEARS



Project: 60,000 T/y Used Lube Oil Re-refining - Lencois Paulista – Brazil

Year: 1997



Project: 40,000 Ton/y Lube Oil Blending - Nola, Italy

Year: 1997



Project: 30,000 Ton/y Lube Oil Fractionation - Napoli, Italy

Year: 1996



Project: 16,000 Ton/y Used Lube Oil Re-refining - Bizerte, Tunisie

Year: 1989



Project: 25,000 Ton/y Used Lube Oil Re-refining - Aspropyrgos, Greece

Year: 1985



PETROCHEMICALS & CHEMICALS

Selected References



Project: Ethylene Recovery Unit - Sanandaj, Iran

Year: 2013

71



Project: Aromatics Plant Relocation KRC Naples Refinery, Italy

Year: 2008



Project: Irbesartan Pharmaceutical Plant - Swords, Ireland

Year: 2000



Project: Fenilglicine Expansion - Colleferro, Italy

Year: 2000



Project: Solvent Recovery Unit - Sermoneta, Italy

Year: 1996



Project: 10 m³/hr Sour Water Stripper - Sermoneta, Italy

Year: 1995

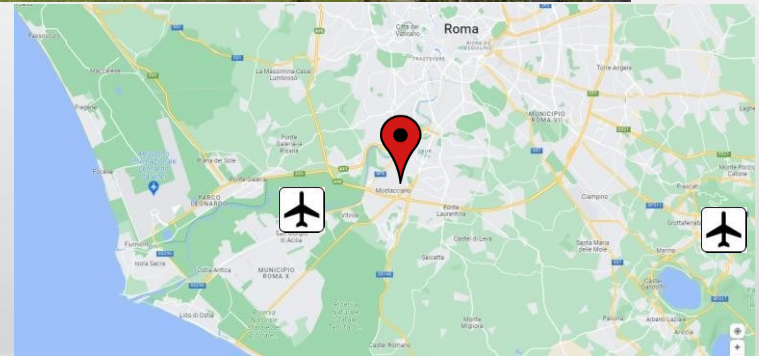


HOME OFFICE

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Thank you for your attention