



*35<sup>+</sup> 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

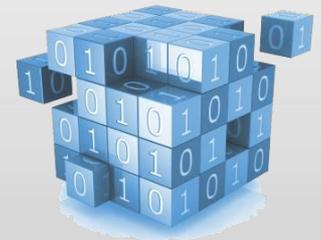
Member of EFCA, ANIMP and AIDIC Engineering Associations  
Registered Contractor at major Oil Companies

## 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 9001:2015

*Scope of certification*

General Contractor for engineering, procurement and construction for the implementation of industrial plants in the sector of oil & gas, petrochemical, energy and industrial plants in general.

IAF: 18, 34

Original Cycle Start Date:	01-June-2011
Expiry date of previous cycle:	30-May-2023
Certification / Recertification Audit date:	08-May-2023
Certification/Recertification Cycle Start date:	25-May-2023
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:	30-May-2026

Certificate No. IT323337

Version: 2

Revision date: 02-June-2025

*Gloria Tascioto*  
Signed in 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

02138  
Membro degli Accordi di Mutuo Riconoscimento CA e IAF  
Signatario di EA and IAF Mutual Recognition Agreements

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





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### 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

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# ISO 45001:2018 CERTIFICATION



**BUREAU  
VERITAS**



Bureau Veritas Certification

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

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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



02138  
Member degli Accordi di Mutuo Riconoscimento CA e IAF  
Signatary of EA and IAF Mutual Recognition Agreements

Certification body address: Viale Monza, 347 - 20126 Milano (MI) Italy  
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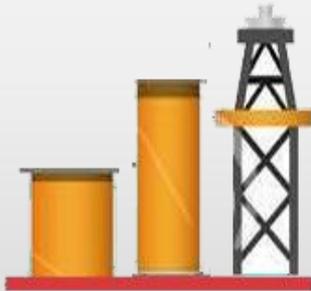
**PETROCHEMICALS & CHEMICALS**



**OIL & GAS**



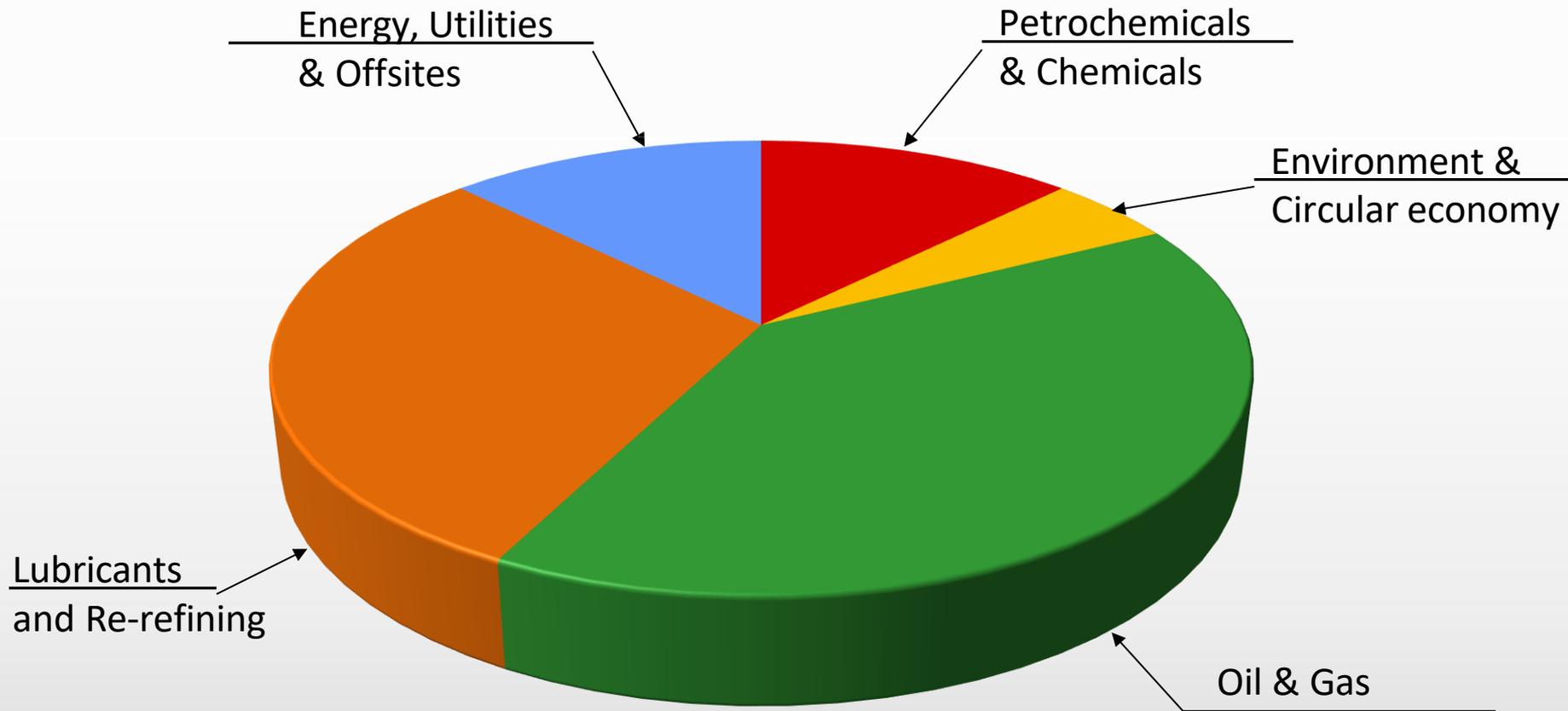
**LUBRICANTS & RE-REFINING**



**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

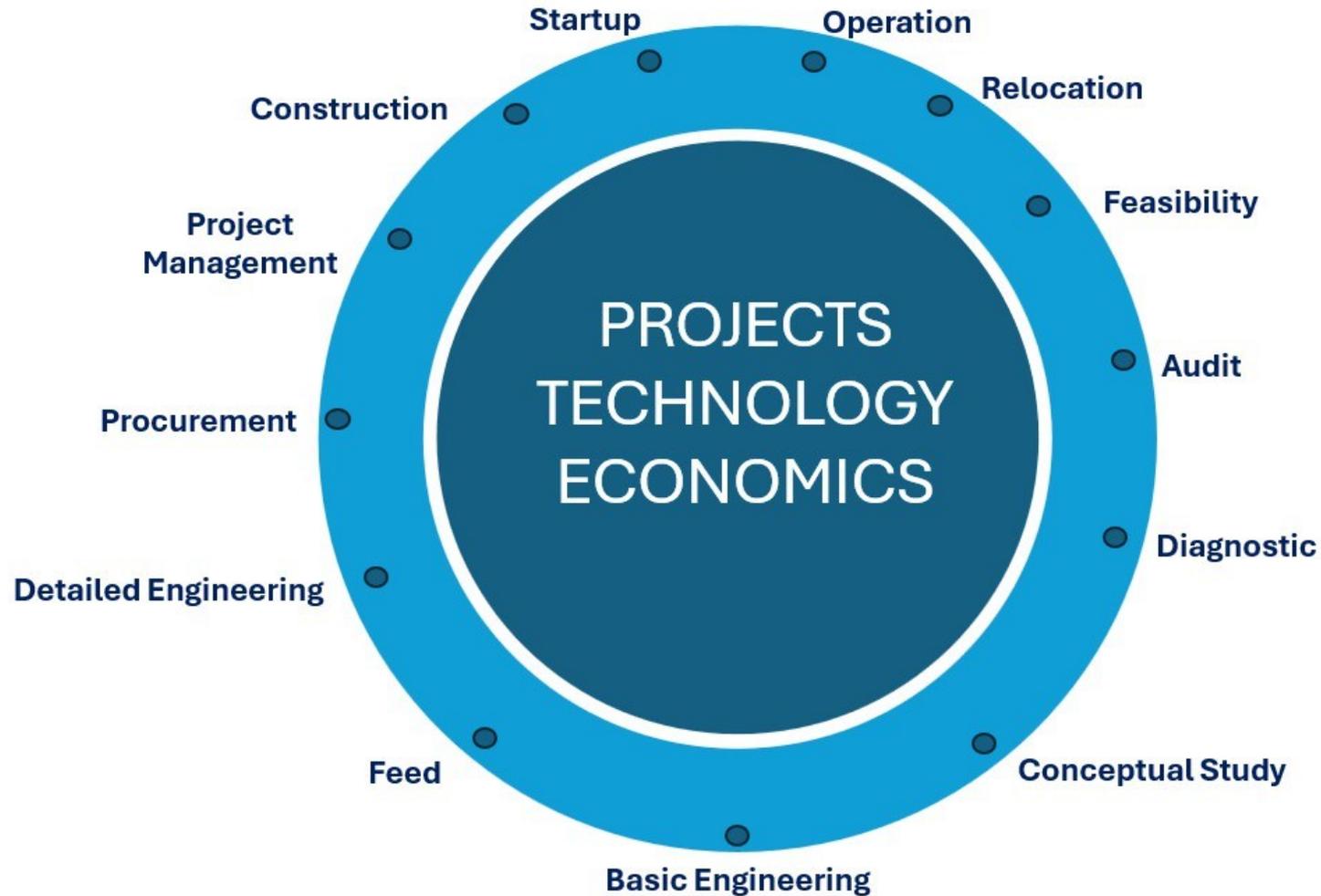


## ENERGY / UTILITIES / OFFSITES

- 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
- CO<sub>2</sub> 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
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## 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

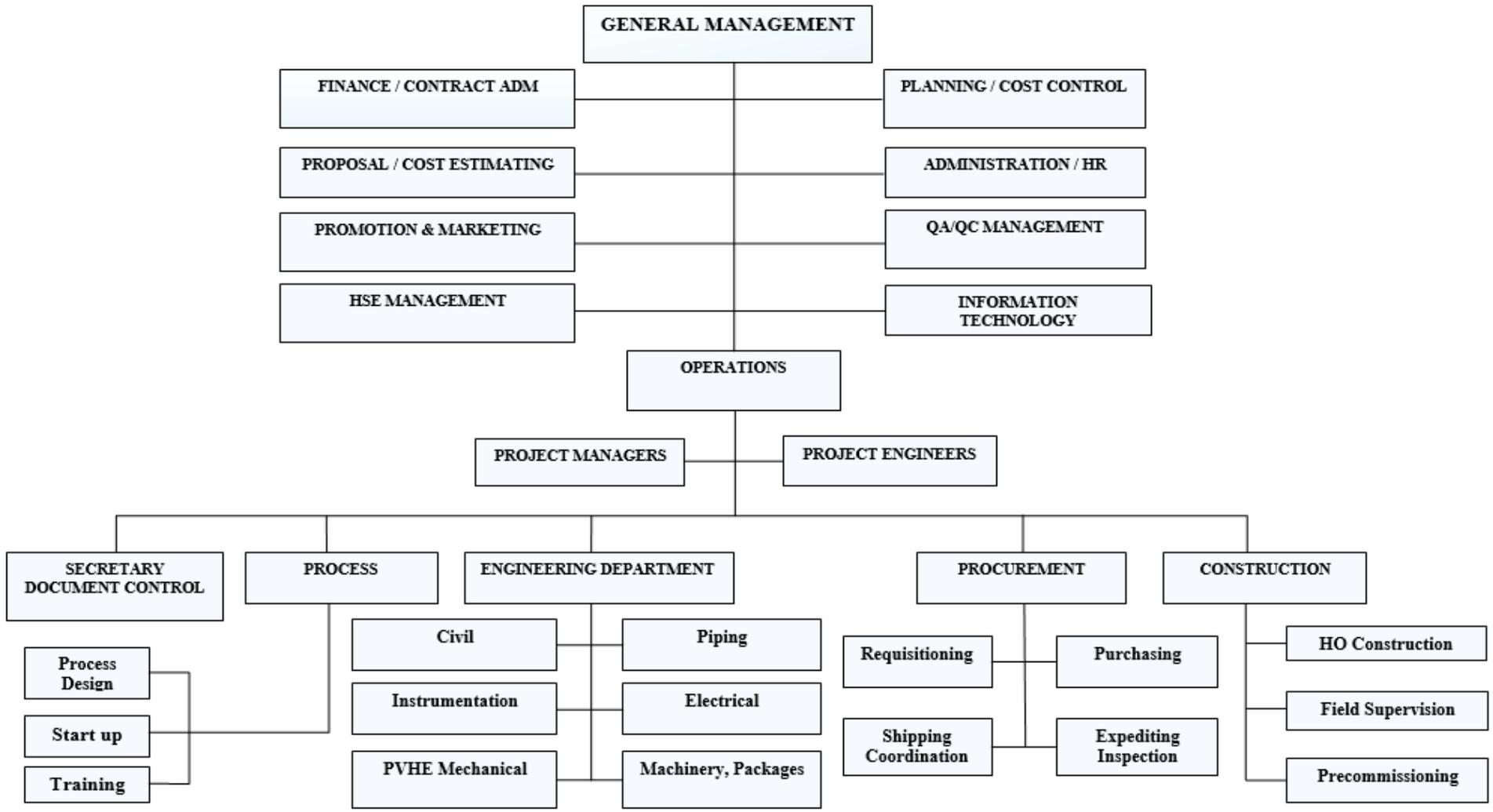
Planning and Project Control

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

24



**Project:** Crude Unit Revamping - Bizerte, Tunisia

**Year:** Ongoing



**Project:** 45 m<sup>3</sup>/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



**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

30



**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 m<sup>3</sup>/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 Nm<sup>3</sup>/d Gas Treatment - Candela Gas Field, Italy

**Year:** 2006



**Project:** 3.0 M Nm<sup>3</sup>/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



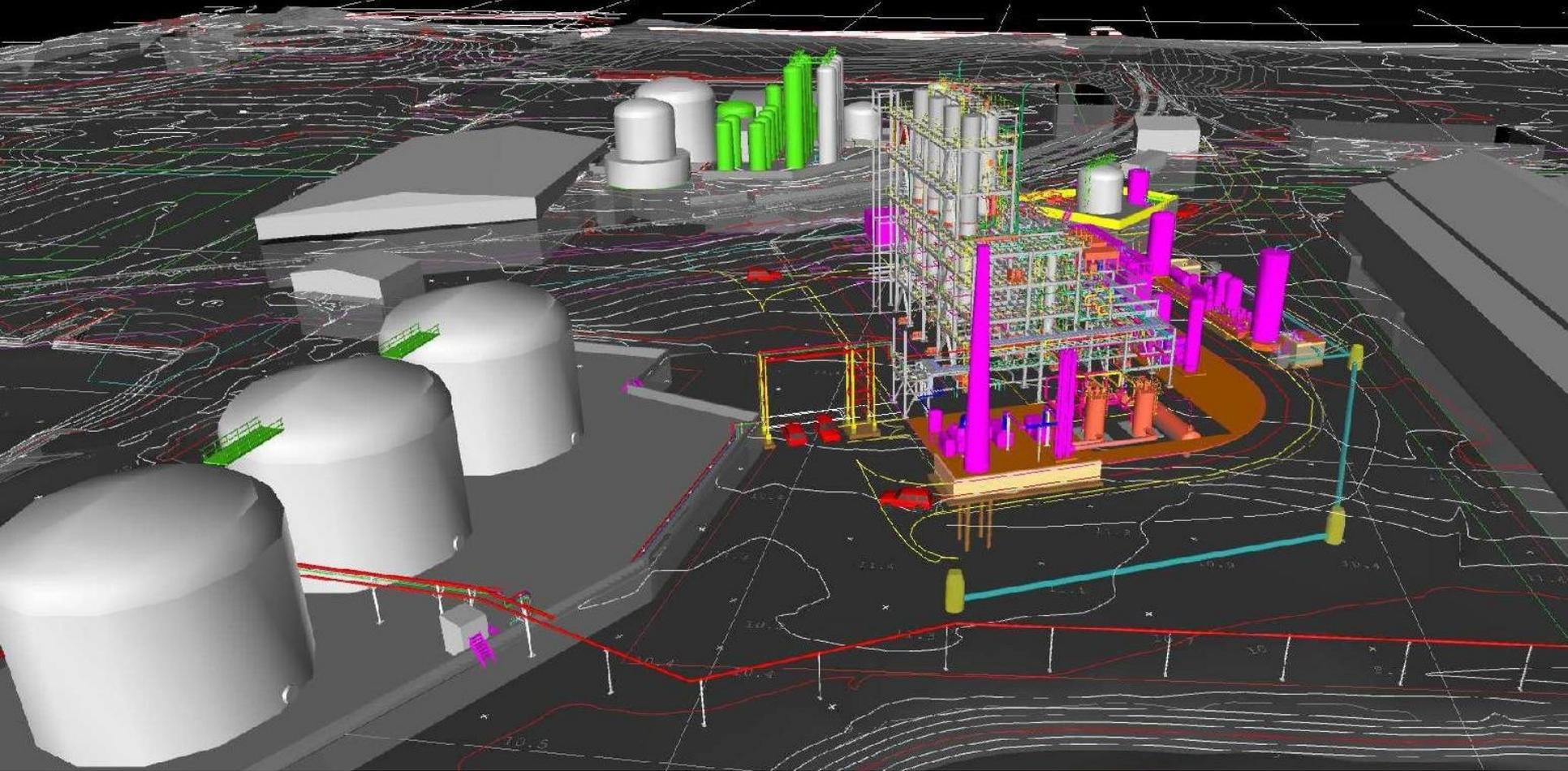
**Project:** 60,000 T/y Waste Lube Oil Re-refining - Klaipeda, Lithuania

**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



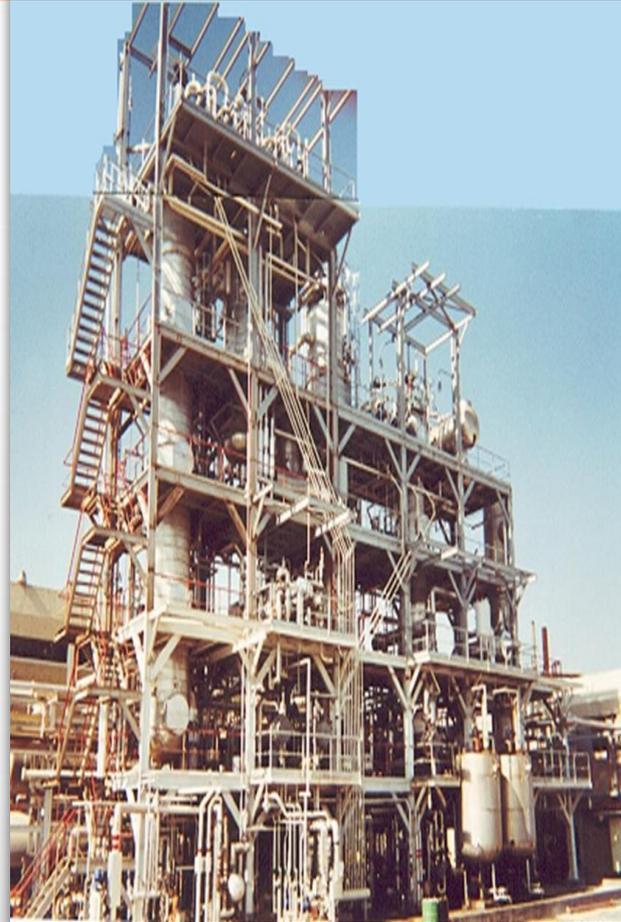
**Project:** 150.000 T/y Used Lube Oil Rerefining – Russia

**Year:** 2019



**Project:** 40 m<sup>3</sup>/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

61



**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<sup>+</sup>  
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 m<sup>3</sup>/hr Sour Water Stripper - Sermoneta, Italy

**Year:** 1995



## HOME OFFICE

Da Vinci Executive Center

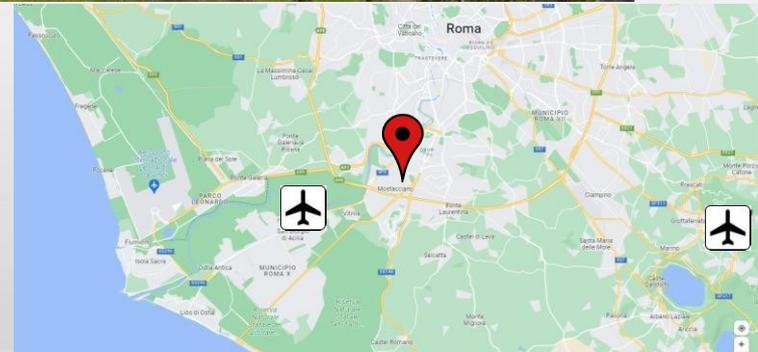
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**Thank you for your attention**