LABORATORIES AND WORKSHOPS

SPINA

Member of NIEDAX GROUP

A UNIQUE PARTNER PROVIDING EXPERTISE
IN THE MOST CHALLENGING INDUSTRIAL PROJECTS

ABOUT SPINA GROUP

Member of NIEDAX GROUP

Spina Group is an Italian company that has been operating for more than 30 years in the design, production and procurement of **instrumentation & electrical bulk materials for industrial plants.**

Starting in 1990 as a distributor of electrical materials, over the years Spina has evolved into an international group dedicated to delivering tailor-made solutions across various sectors:

OIL & GAS | **INDUSTRIAL** | **ENERGY** | **PETROCHEMICAL** | **INFRASTRUCTURE** | **NAVAL**

Each sector is approached with a specialized focus, ensuring that our solutions address the unique demands of each industry.



BUSINESS UNITS

SPINA
Member of NIEDAX GROUP



PRODUCTION

CABLE TRAYS
CABLES
EXPLOSION PROOF
VALVES, MANIFOLDS,
COMPRESSION FITTINGS



E&I PACKAGES

LIGHTING
POLES
GROUNDING
ELECTRICAL PANELS
CONDUITS



LABORATORIES & WORKSHOPS

MAINTENANCE &
REPAIR WORKSHOPS
CHEMICAL LABORATORIES
MANUAL SAMPLERS
HANDLING AND LIFTING
EQUIPMENT



SPARES & CONSUMABLES

OIL & LUBRICANTS
SPARE PARTS
SAFETY
TOOLS

Engineering Services

SPINA
Member of NIEDAX GROUP

With our engineering department and the worldwide network of our consultant, we are in the position to **SUPPORT OUR CUSTOMERS** with the following services.

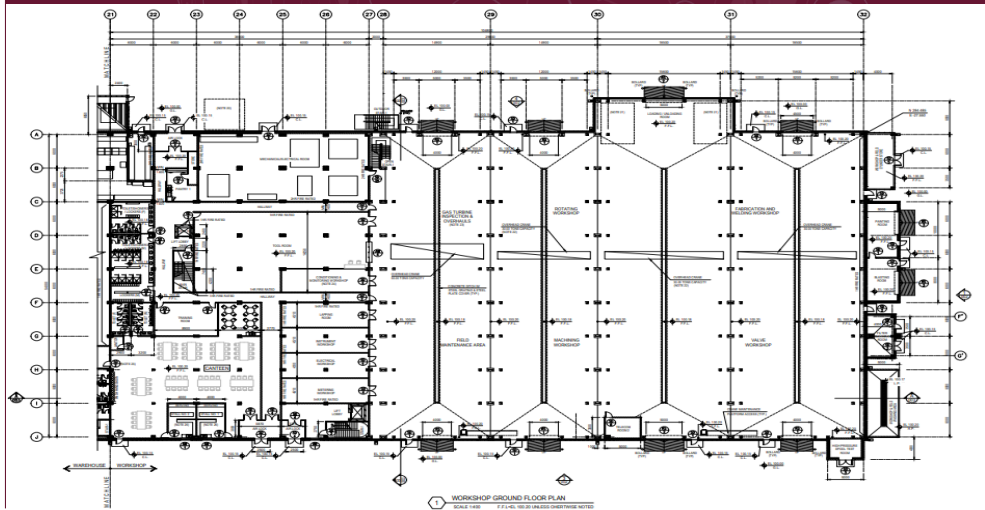
DESIGN & SUPPLY OF UTILITY DISTRIBUTION NETWORK

Offices, locker rooms, canteen, training rooms fully equipped and ready to be used by site personnel

DESIGN & SUPPLY OF ANCILLARY AREAS

Available surfaces Type and number of machines and equipment foreseen by the project

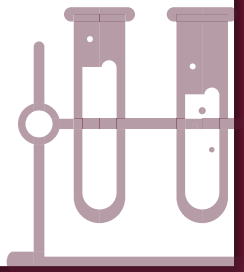
SPACE OPTIMIZATION BASED ON



LABORATORIES & WORKSHOPS

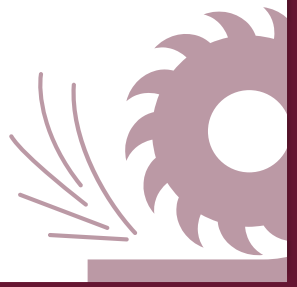
LABORATORIES

Instrumentation & Analyzers
Technical Furniture
Fume Cupboards & Air Treatment Systems
Utilities & Technical Gases Distribution Systems
Hardware & Software Upgrade of Existing Laboratories
Chemicals & Reagents



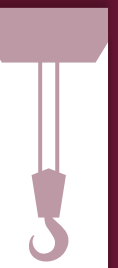
MECHANICAL AND INSTRUMENTATION WORKSHOPS

Metalworking Machines
Physical and Mechanical Testing Machines
Electrical & Pneumatic Tools
Welding Bays
Measurement and Calibration Benches
Industrial Furniture & Shelving Systems
Lifting and Moving Systems



HANDLING AND LIFTING EQUIPMENT

We provide the freedom to choose any brand worldwide and a wide network of partners for customized and certified solutions, designed to withstand extreme conditions, including marine environments and ATEX zones up to ZONE 1.



MANUAL SAMPLERS

Samplers for Liquids
Samplers for Gases
Samplers for Multi-Phase Fluids

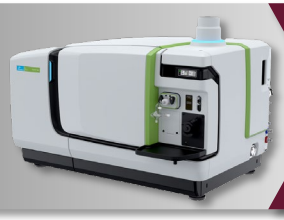


Chemical Laboratories

SPINA
Member of NIEDAX GROUP

MAJOR ANALYZER

- MASS SPECTROMETRY (GC-MS, LC-MS)



- GAS CHROMATOGRAPHY (GC) AND LIQUID CHROMATOGRAPHY (HPLC)



- MOLECULAR SPECTROSCOPY (UV-VIS-NIR, FTIR)



- ATOMIC SPECTROSCOPY, ATOMIC EMISSION (ICP-MS E OES), ATOMIC ABSORPTION (AA), FLUORESCENCE AND X-RAY DIFFRACTION



- TOC AND ELEMENTAL ANALYSIS



Chemical Laboratories

SPINA
Member of NIEDAX GROUP

MAJOR ANALYZER

- PENSKY MARTENS (ASTM D93 A/B/C, ASTM D3941, ASTM E502)



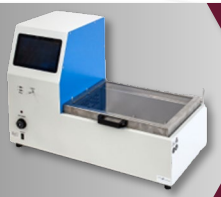
- CLOUD POINT (ASTM D2500, D5771, D5772, D5773)



- CFPP (ASTM D6371)



- REID VAPOUR PRESSURE (ASTM D323)

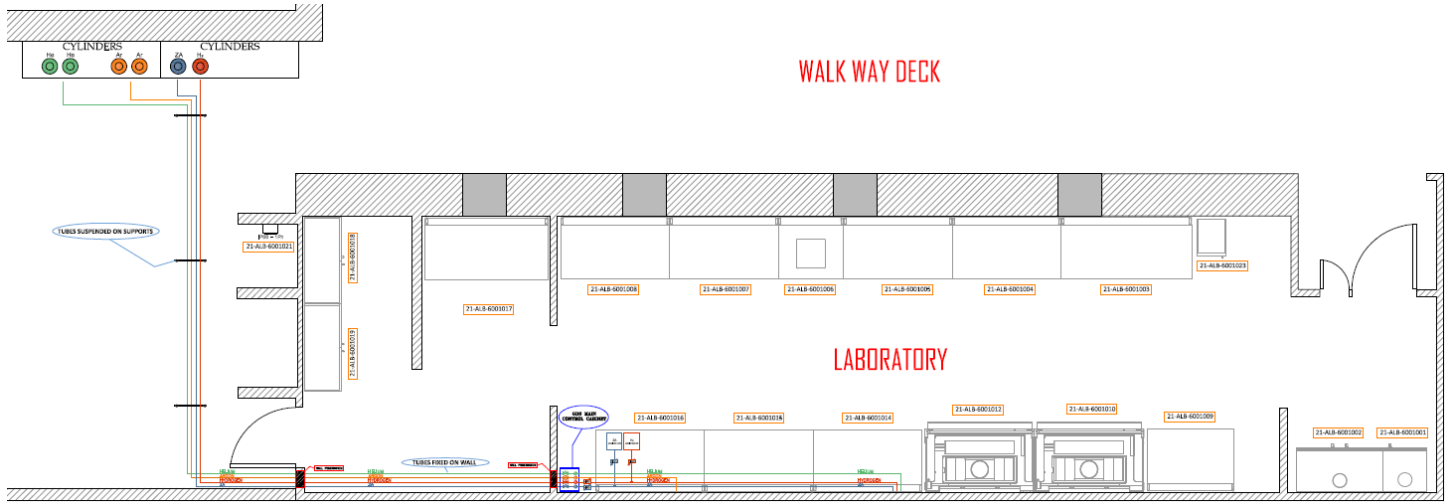


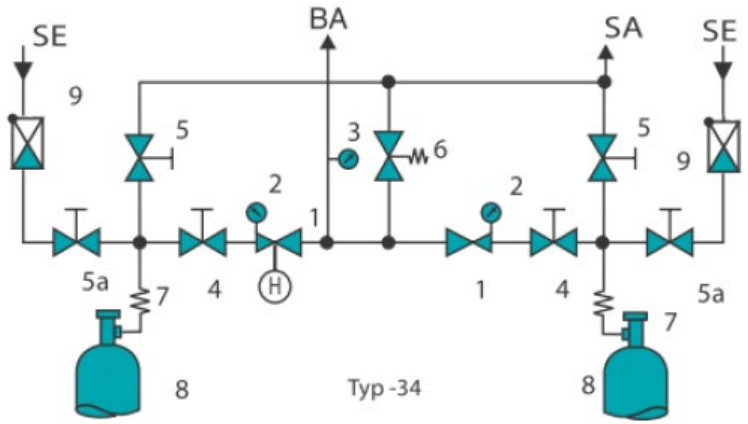
- SAYBOLT VISCOMETER (ASTM D88, D7496, E102)

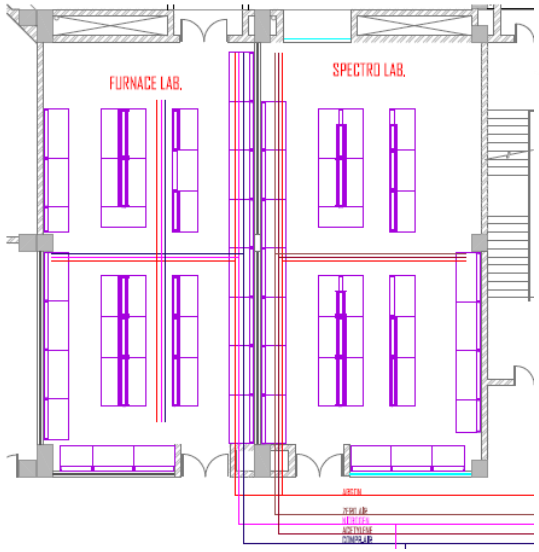


Chemical Laboratories

SPINA
Member of NIEDAX GROUP







GAS DISTRIBUTION SYSTEM

- Routing design & calculation based on available spaces and forecast number of machines
- Consumption calculation
- Supply of all the components including cylinder racks, change-overs.
- Installation including tubing welded through orbital welding machines







Chemical Laboratories

SPINA
Member of NIEDAX GROUP

FUME & AIR TREATMENT SYSTEM

The ducted fume hoods as they are the most used fume hoods available on the market today. The available type are the constant air volume (CAV), the reduced air volume (RAV) and the variable air volume (VAV) chemical fume hoods.

Chemical fume hoods work by extracting air and noxious fumes away from the lab. and out of the fume hood where the air is filtered and returned to the outside environment by means of a duct system.

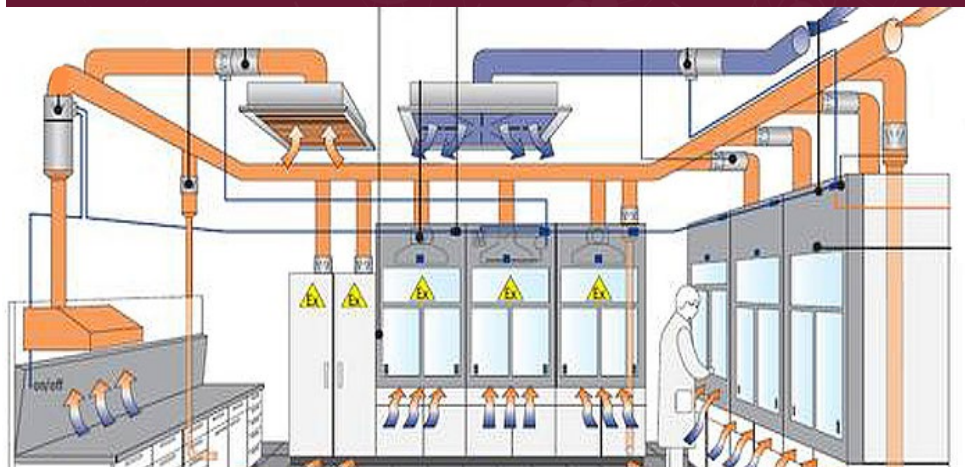
User protection is enhanced by a movable sash that can be raised or lowered based on the needs of the user. All three types work in a very similar way, differentiated only by their air flow properties.

Extraction Arms



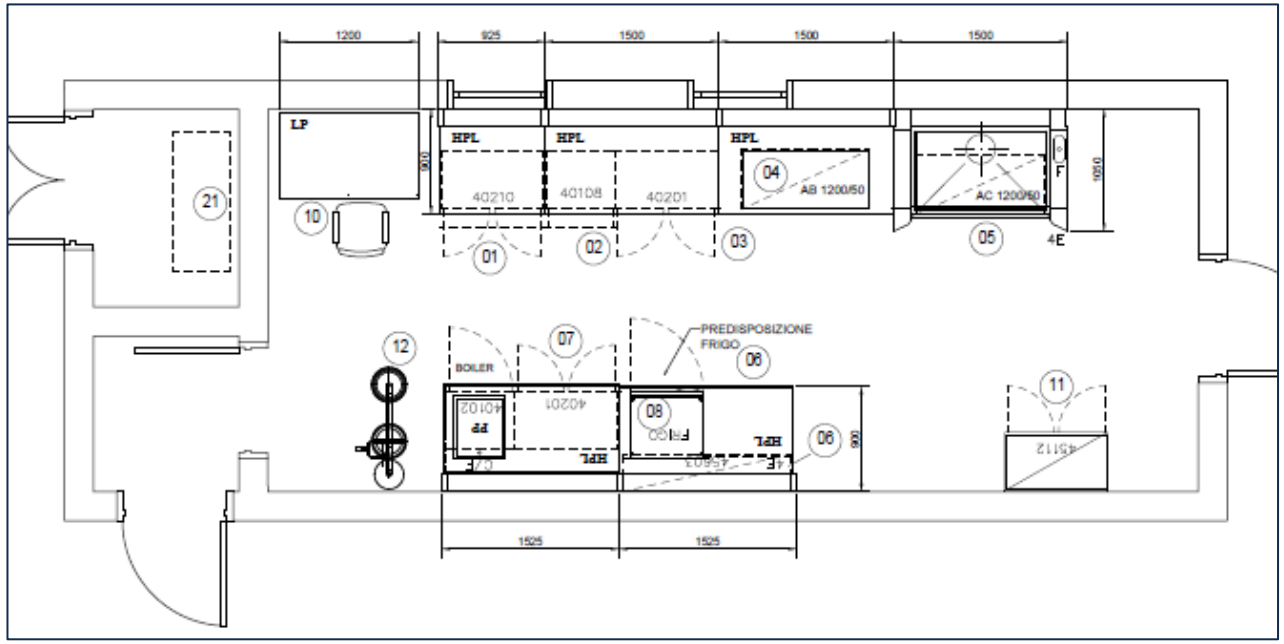
Fume Hoods





Chemical Laboratories

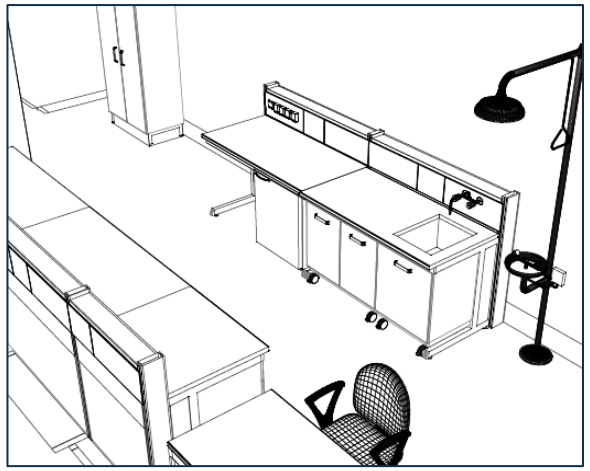
SPINA
Member of NIEDAX GROUP

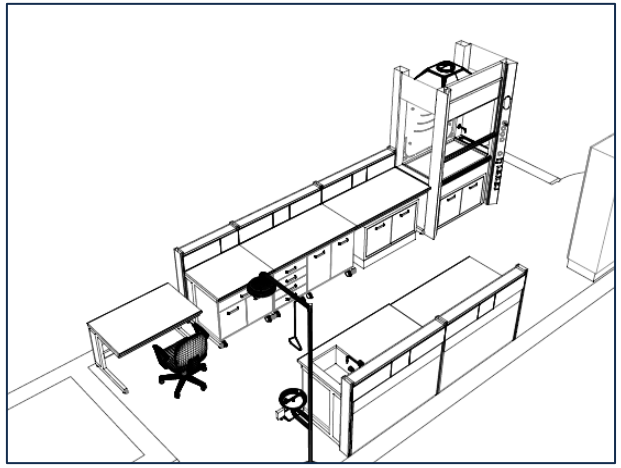


FURNITURE

Availability of an almost infinite series of combinations of structure & working surface materials, module dimensions & internal configuration, tops & shelves that allow laboratory's operators to work safely and with everything at their fingertips.

All our solutions are entirely designed by our team of specialists which is also able to follow all the assembling activities at site.





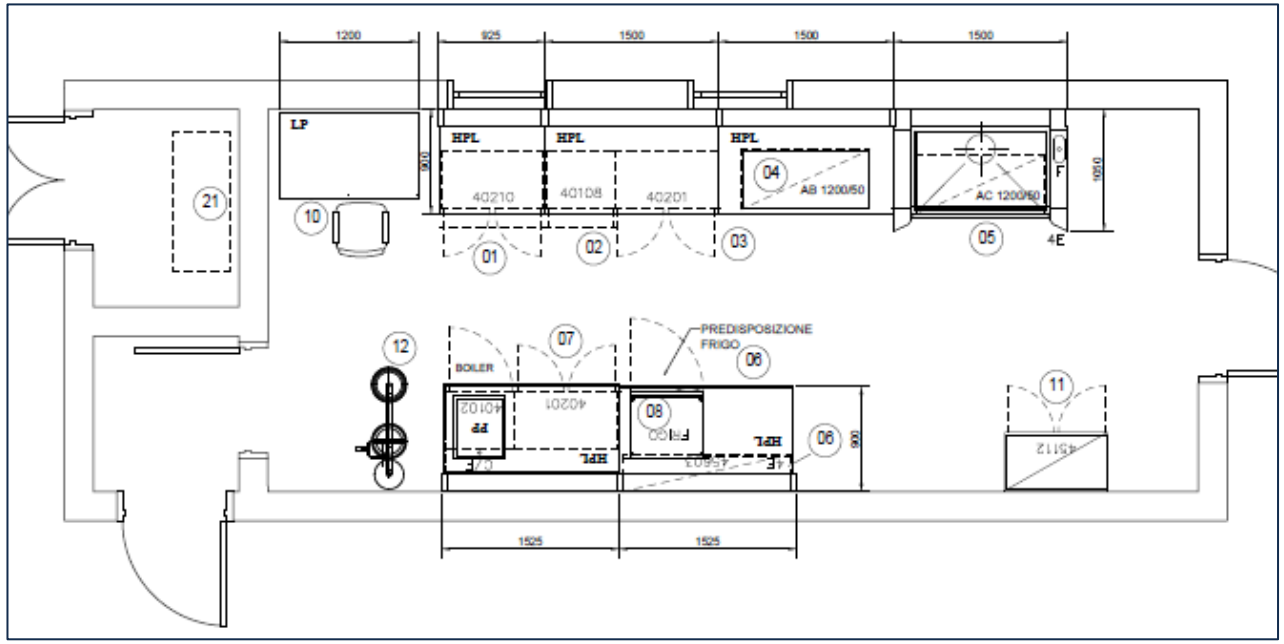


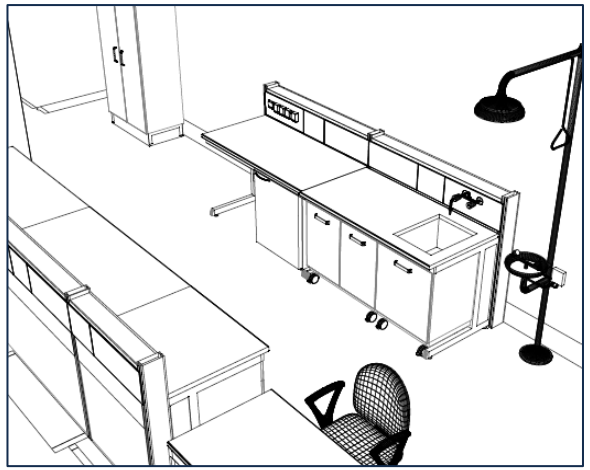
Chemical Laboratories

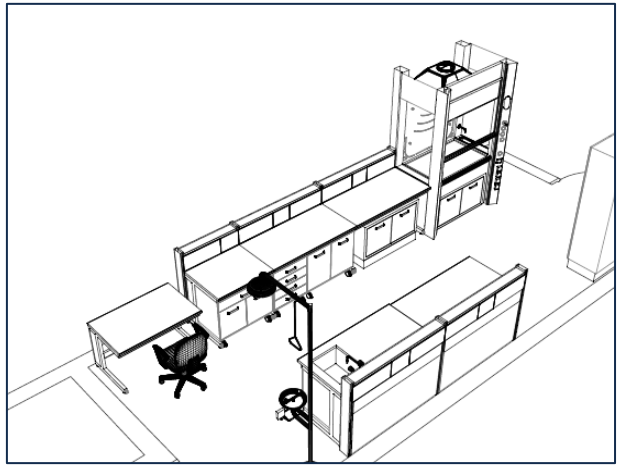
SPINA
Member of NIEDAX GROUP

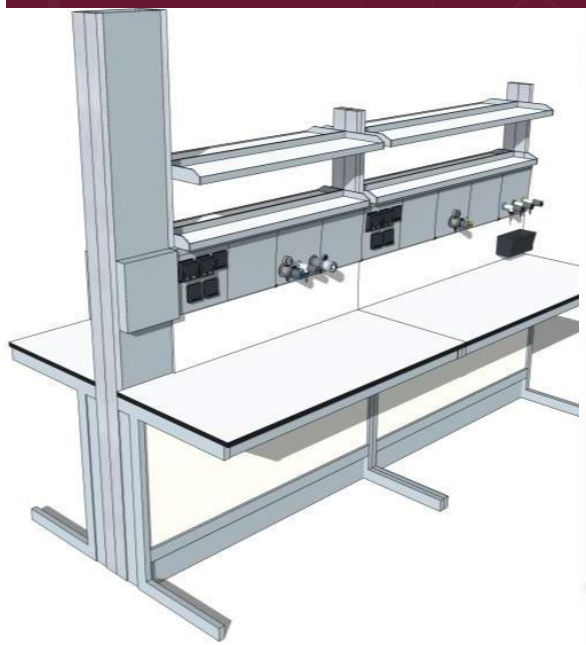
TECHNICAL FURNITURE

- Modular furniture
- Safety cabinets
- Office Furniture



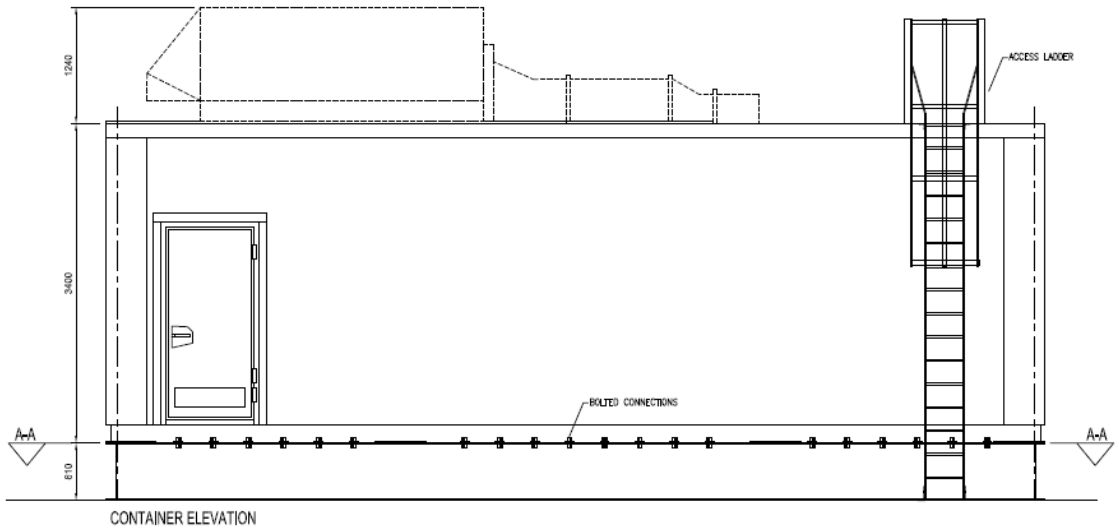




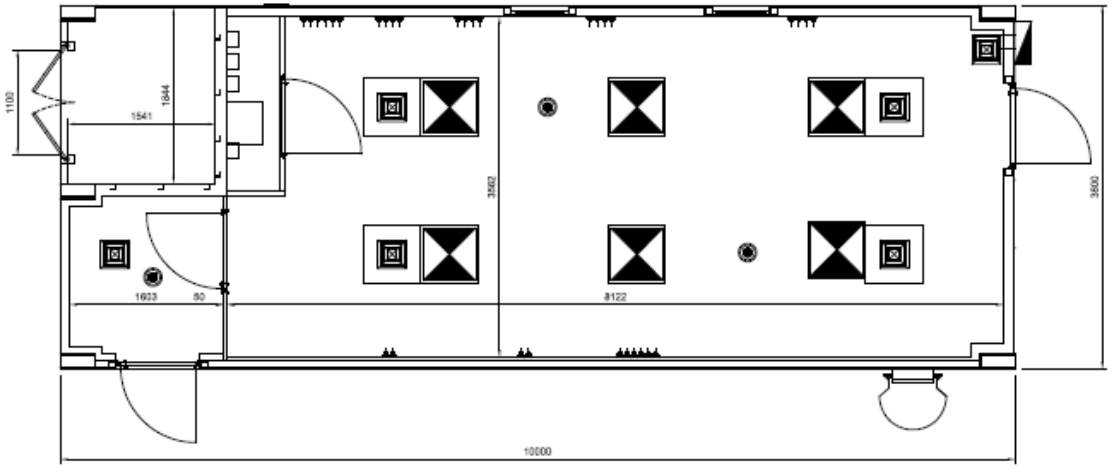




Chemical Laboratories



CONTAINER ELEVATION



LABORATORY CONTAINER GENERAL ARRANGEMENT

SPINA
Member of NIEDAX GROUP

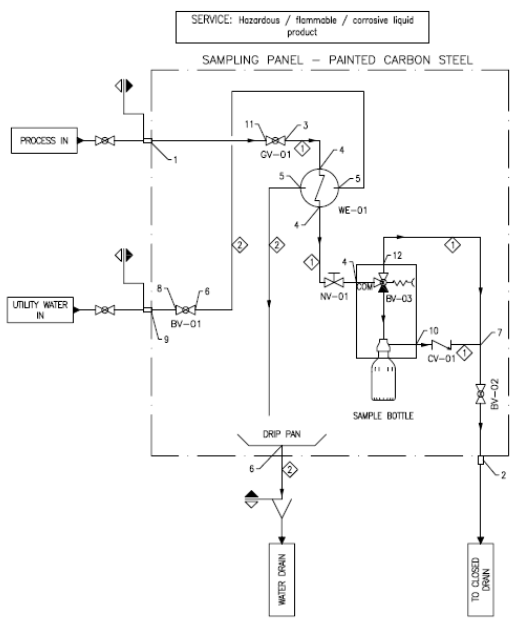
CONTAINERS & CUSTOM-MADE SHELTERS

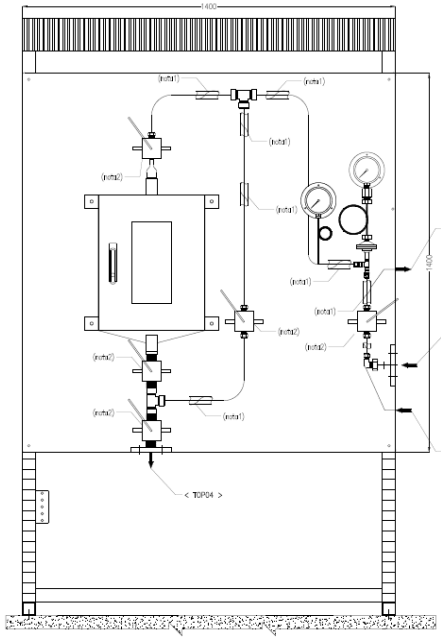
Thanks to our engineering skills and to the manufacturing capability of our partners worldwide, we are able to supply tailored laboratory shelters either based on commercial container sizes (e.g. 20ft / 40ft) or specifically designed with tailored dimensions in order to suit any particular application need in term of construction materials, design and certifications required for installation in the most severe conditions, like those on vessels or offshore platforms.



Chemical Laboratories

SPINA
Member of NIEDAX GROUP







MANUAL SAMPLERS

All our systems can be supplied on a self-supporting rack or suitable for installation on existing poles and are mounted on Painted CS or SS plates where there are installed and tested all the components.

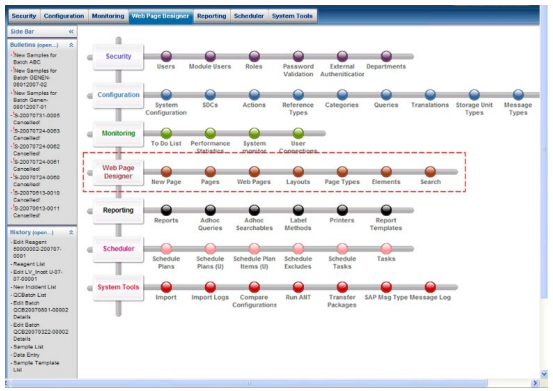
Our standard material for components in contact with the fluid is the AISI 316/316L while special materials (e.g. Inconel 625 or Hastelloy C276) are used for those processes with critical pressure and temperature conditions or having contaminants that would physically or chemically affect the SS.

Stream heaters, Purge Systems and filters, Canopies, Cooled / heated / pressurized cabinets can be provided in order to allow the quickest and the safest sampling in any climatic condition

Chemical Laboratories

SPINA
Member of NIEDAX GROUP



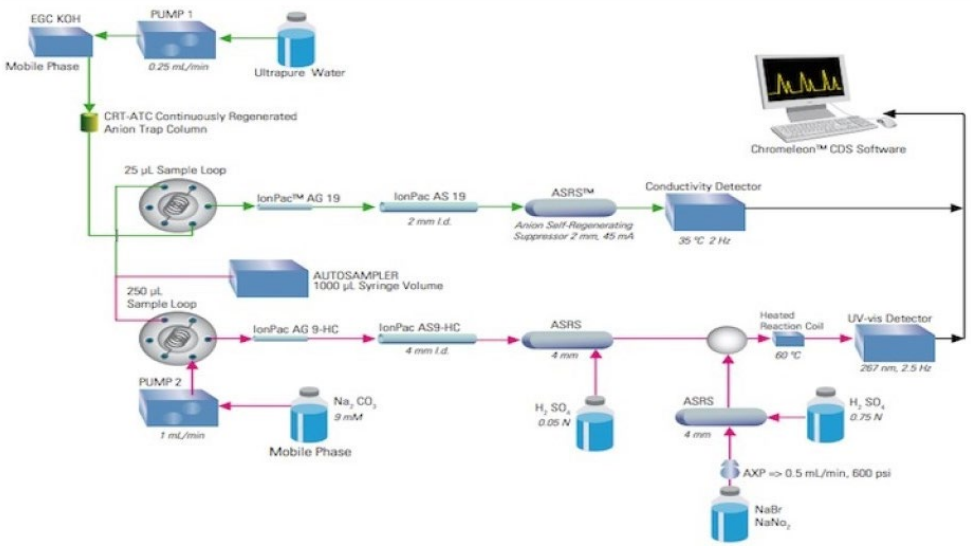




LABORATORY INFORMATION MANAGEMENT SYSTEM

LIMS Turn-key solutions from major worldwide providers

- Definition of hardware and installation material
- Definition of system architecture and necessary site activities



Mobile Workshops

SPINA
Member of NIEDAX GROUP

This kind of application based on customization of commercial containers with length 3m, 6m, 12m are the ideal solution in case of need of **temporary or mobile workshops**, where activities of **test, maintenance and repair** must be done on site in various places. Container can be equipped with generators in order to be independent and feed the machine they contain, or they can be equipped with plug-in panels suitable for connection to the local utility network.

Any container can be customized with shelving, test benches, portable tools and all the necessary equipment based on the specific activity to be performed.





Mechanical Workshops

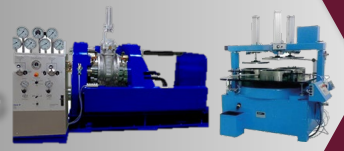
SPINA
Member of NIEDAX GROUP

REPAIR, CALIBRATION & TEST

PORTABLE & STATIONARY TESTING & CALIBRATION TOOLS FOR ELECTRICAL AND PNEUMATIC EQUIPMENT



MACHINES FOR LAPPING, BEVELING, MILLING, BENDING



TEST & CALIBRATION BENCHES FOR VALVES

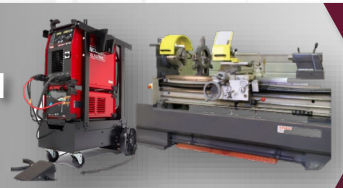


MACHINERY & TOOLS

BENCH & PORTABLE TOOLS



WORKSHOP FABRICATION & WELDING MACHINES



Mechanical Workshops

SPINA
Member of NIEDAX GROUP

AUXILIARY EQUIPMENT

- AIR COMPRESSORS & ELECTRICITY GENERATORS



- MOBILE LIGHTNING TOWERS WITH LED TECHNOLOGY



- ATEX WELDING HABITAT SYSTEMS



- WORK BENCHES AND SHELVING



- ATEX HVAC TRAILER-MOUNTED



Mechanical Workshops

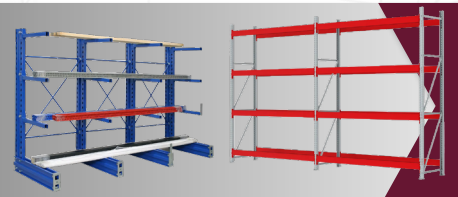
SPINA
Member of NIEDAX GROUP

STORAGE & SHELVING

AUTOMATIC VERTICAL WAREHOUSE



CANTILEVER RACK
PALLET RACKING



WORK BENCHES
AND CABINETS



Mechanical Workshops

SPINA
Member of NIEDAX GROUP

PLANT WASTE MANAGEMENT

SPECIAL TRAILERS FOR SLUDGE



TRACTORS, LOADERS
AND SERVICE VEHICLES



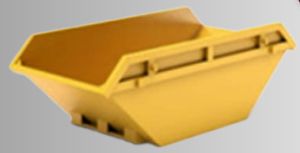
GLASS CRUSHERS



VERTICAL
AND HORIZONTAL BALERS



SKIPS TAILORED IN COLORS
AND DIMENSIONS

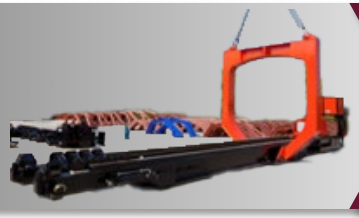


Mechanical Workshops

SPINA
Member of NIEDAX GROUP

HEAT EXCHANGER - TUBE BUNDLE MAINTENANCE

BUNDLE EXTRACTION AND LIFTING



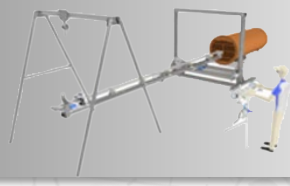
TUBE - TUBESHEET ORBITAL WELDING



BUNDLE CLEANING



TUBE INSERTION AND PULLING SYSTEMS



Overview

SPINA
Member of NIEDAX GROUP

Lifting & handling equipment are fundamental devices at any stage of every kind of plant.

Our added value are the freedom to select any brand at any location in the world, and the wide network of business partners **who can customize or design from zero,** special solutions tailored in terms of material, dimensions, construction necessary to withstand with moist severe conditions, either of usage or of environment up to the marine one, for which we can provide solutions tailored in terms of structural calculation/construction, painting and ATEX area classification up to ZONE 1, supplied along with mandatory certificates issued by the third party naval entity in charge for each project.



Mechanical Workshops

SPINA
Member of NIEDAX GROUP

HANDLING AND LIFTING EQUIPMENT

- MANUAL AND ELECTRICAL JIB CRANE



- MANUAL AND ELECTRICAL CHAIN HOIST FROM 0,5TON UP TO ABOVE 10TON



- MULTIFUNCTIONAL LIFTING TONGS AND CLAMPS



- MANUAL AND MOTORIZED GANTRY CRANES



- ELECTRIC PALLET TRUCK



- ELECTRICAL DRIVE CRANE WITH VARIABLE WHEELBASE



Mechanical Workshops

SPINA
Member of NIEDAX GROUP

HANDLING AND LIFTING EQUIPMENT

STACKABLE METAL CONTAINER FOR CONSTRUCTION SITE MATERIALS AND EQUIPMENT, AVAILABLE WITH STANDARD DIMENSION, MATERIAL, OR CUSTOMIZABLE IN TERMS OF DOORS, COVERS, SHEET THICKNESS...



HEAVY DUTY SELF PROPELLED TROLLEYS, MOVERS AND SKATES



ELECTRIC POWERED COUNTERBALANCE FORKLIFT TRUCKS



DIESEL POWERED COUNTERBALANCE FORKLIFT TRUCKS



TERMINAL TRACTORS & SHUNT TRUCKS

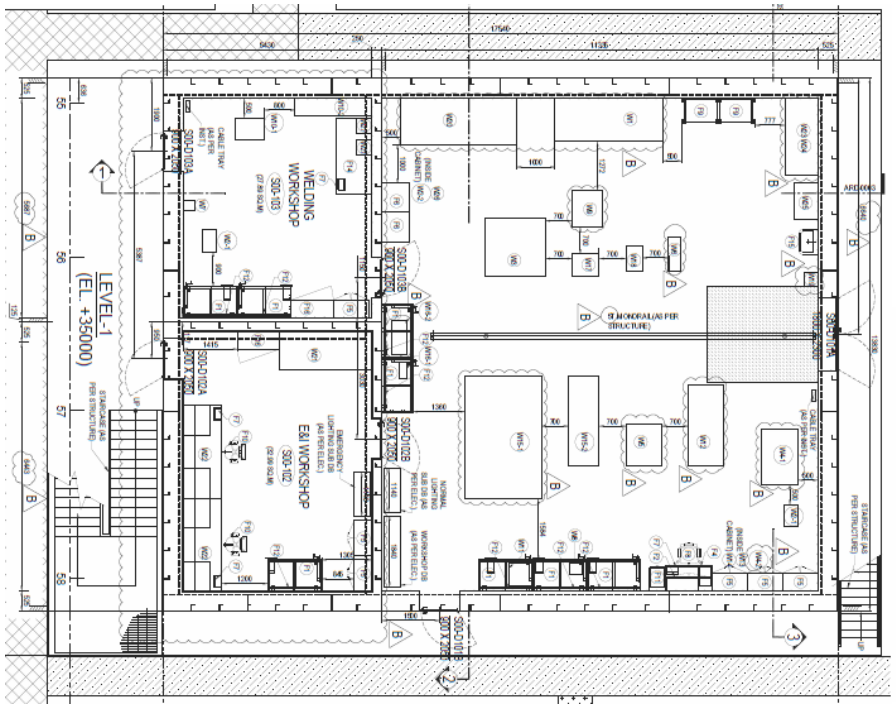


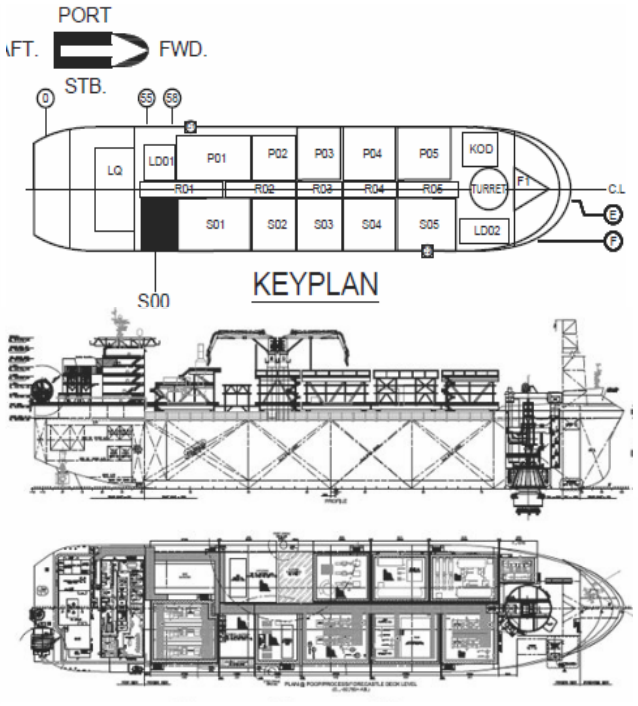
SINGLE GIRDER & DOUBLE GIRDER OVERHEAD CRANE



Mechanical Workshops - Offshore

SPINA
Member of NIEDAX GROUP





OFFSHORE

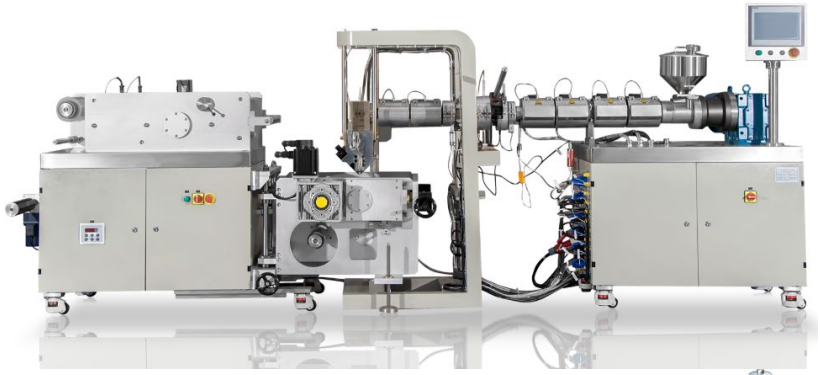
In addition to the standard activity of engineering and procurement, for this type of project we can support our customers with:

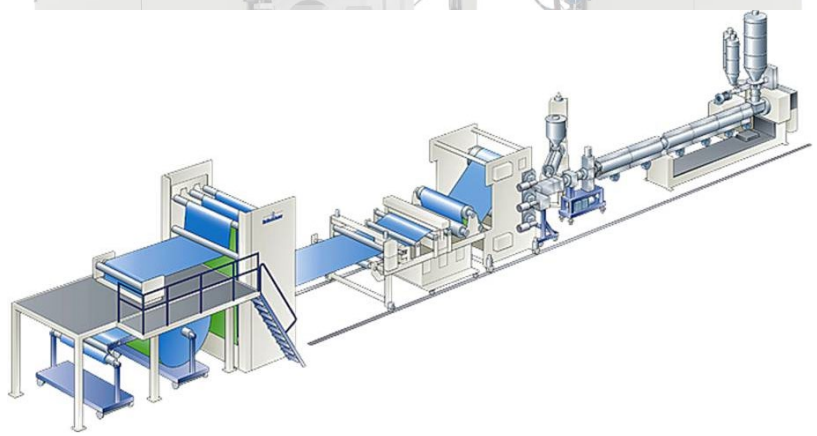
- **Definition of anchoring points and installation material**
- **Definition of floor structure and reinforcement area**
- **Coordination with appointed Third-Party classification agency and flag, in order to carryout the entire inspection and certification path foreseen for each specific project**

PARTICULAR APPLICATION – PACKAGE FOR POLYMERS ANALYSIS

SPINA
Member of NIEDAX GROUP

CAST FILM EXTRUSION LINE





PELLETIZER



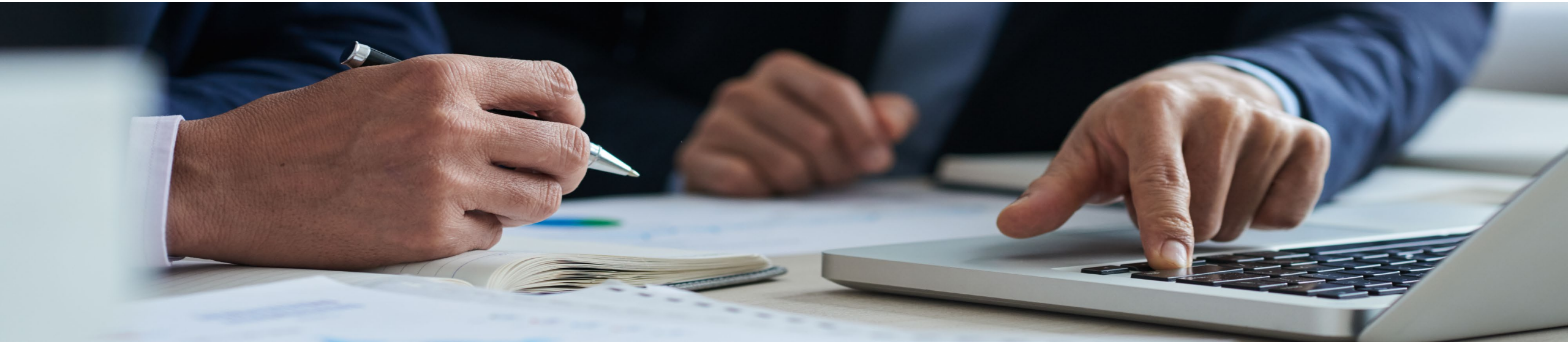
MIXING CHAMBER



Project Engineering and Documentation

SPINA
Member of NIEDAX GROUP

Thanks to our highly specialized staff, we can manage internally all post-order activities related to documentation and QA/QC (*) like but not limited to:



- Bill of material
- Tag wise datasheet dossier
- Inspection & test plan
- 2D and 3D engineering drawings and utilities schemes
- Certificates and declarations of conformity
- Spare part definition and related SPIR form
- Installation, operation and maintenance manual
- Quality control plan and manuals
- Erection and installation procedure
- Vendor data book
- Preservation instruction for storage at site
- Packing & transportation documents and procedure
- Factory acceptance testing (FAT) procedure
- Site acceptance testing (SAT) procedure
- Training program and manuals

(*) others, including those attested by third party authorities can be provided upon request

PROJECT SPECIALISTS

PROJECT MANAGER: Ready to lead & realize complex and detailed Engineering and Integrated services.

PROJECT ENGINEER: Proven engineering expertise, expert process know-how of laboratory requirements like test methods, standards, regulations, application setup & support etc., on site supervision and coordination of end-user personnel.

SITE ENGINEER: Able to carry out on-site supervision of the project during the phases of commissioning and start-up of the supply even in coordination with OEM specialists for critical items, as well as provide for the theoretical and practical training of local operators on supplied instruments, machinery and tools.

As Spina Group we can handle directly through our personnel all the main activities related to a Laboratory Project for which we are able to deliver a tailored solution covering also following fundamental points:



START-UP & COMMISSIONING



TRAINING



SPARE-PARTS & CONSUMABLES



FUTURE SOFTWARE & HARDWARE UPGRADES

Appreciation Letters

SPINA
Member of NIEDAX GROUP

TSGI
MÜHENDISLIK INSAAT Limited Company

AEGEAN REFINERY PROJECT (ARP)
TSGI MÜHENDİSLİK İNŞAAT LTD.ŞTİ.
AYAZAĞA MH. MEYDAN SK. NO.1 BEYBI GIZ
PLAZA K.26/27 NO.2615 34396 MASLAK-
İSTANBUL TURKEY

To the kind attention of
SPINA GROUP S.r.l.
Via del Tecchione 36/B
20098-San Giuliano Milanese (MI)
ITALY

16 July 2018

Subject: AEGEAN REFINERY PROJECT (ARP)

Dear Sirs,

We acknowledge the successful completion of the Chemical Workshop with our full satisfaction.

We have chosen Spina Group because it guaranteed us to have a single source for the supply of the wide range of products that the project required.

Spina Group provided us a team of technicians and engineers with international skills who have been able to develop, according to the requests, the project of the laboratory layout.

Furthermore, your team has showed a strong organizational and problem solving skills, encouraging collaboration among people involved and finding the best solutions to match our requests.

For all the above reasons, we trust we may join again our interest in the future.

Best regards,

Alberto RAZZINI
Lead Building Services Engineer
TSGI Mühendislik İnşaat Limited Şirketi
Aegean Refinery Project (ARP)
STAR Rafinerisi

TECNICAS REUNIDAS

Initec Plantas Industriales, S.A.U.
Maria de Portugal,9
28050 Madrid España
Tel. (34) 91 587 10 00

To: SPINA GROUP SRL

Subject: Work Completion Letter

Project: KNPC MAA REFINERY GT5 - Laboratory Equipment

We Tecnicas Reunidas like to congratulate your team for the successful completion of the above mentioned project. The professionalism and proactive cooperation demonstrated by your team is commendable and deserve appreciation. We wish that our cooperation will go a long way creating other possibilities of success together

Sincerely Yours,

TECNICAS REUNIDAS

Juan José Domínguez
Category Manager

AENOR ER

PAUL WURTH
SMS group

To the kind attention of
SPINA GROUP S.R.L.
Via del Tecchione 36/B
20098 – San Giuliano Milanese (MI)
ITALY

8th July 2019

Subject: D.R. Tosyali Plant (Algeria) – Supply of Chemical Laboratory

Dear Sirs,

We sincerely appreciate and recognize the commendable services rendered by Spina Group for the successful completion of supply, start-up and commissioning of the Chemical Laboratory in the Midrex® Direct Reduction Plant, a project executed by Midrex Inc. and Paul Wurth Italia S.p.a. at Tosyali works in Oran, Algeria.

We appreciated your team for their proactive support in all activities carried out ad we were satisfied with your performance, knowledge and support in finding the best solution for this project.

We feel confident in recommending your Company to whom who might concern and we look forward to continuing the ongoing cooperation between our companies.

Sincerely,

Giorgio GASTINELLI
Senior Project Manager

Logistic and Delivery

SPINA
Member of NIEDAX GROUP

Thanks to our in-depth knowledge of logistics and international regulations gained in 30 years of experience in the supply of industrial package worldwide, for our supplies we can arrange ***any kind of INCONTERMS delivery,*** *including those with high volume and those of dangerous material necessary for the laboratory start-up that allows us to deliver our supplies in full compliance with laws of the country of destination.*

Oil & Gas North Field Expansion (NFE) project







MAJOR REFERENCES - 2025



NEPTUN DEEP PROJECT

COUNTRY: Romania
CUSTOMER: Saipem

HANDLING & LIFTING DEVICES
Design and supply of 7 fixed davits, with capacity up to 2.5 tons, and with customized construction to withstand offshore installation, classified area and corrosive environment.



NEPTUN DEEP PROJECT

COUNTRY: Romania
CUSTOMER: Saipem

HANDLING & LIFTING DEVICES
Design and supply of 2 fixed davits, with capacity 1 ton, and with customized construction to withstand offshore installation, classified area and corrosive environment.

MAJOR REFERENCES - 2025



MARJAN FIELD EXPANSION - PACKAGE 10 - GAS TREATMENT AND SULPHUR RECOVERY FACILITIES

COUNTRY: Saudi Arabia
CUSTOMER: Saipem – Snamprogetti Saudi Arabi

MECHANICAL WORKSHOP
Set of portable calibration and monitoring tools, ATEX tools, air purification systems and dust extraction system, oil and lubricant storage and transport devices, dryers and spilling systems, air compressors, generators, heavy duty trolleys and carts, full set of PPE (Personal Protection Equipment), including disposables itesm and multigas monitors with calibration and charging stations.



NORTH FIELD SOUTH PROJECT ONSHORE LNG FACILITIES

COUNTRY: Qatar
CUSTOMER: Technip Energies France Qatar Branch

MECHANICAL WORKSHOP
150+ industrial machines including Valve test benches, Control Valve test rig, set of lathe machines, ATEX HVAC trailer mounted units up to 56Kw, complete set of pneumatic tensioning tools, HE Tube Bundle Puller and related bundle cleaner system, CNC screw and threading center, Motor test benches, Electrical Test Benches, sprayer machine, surface grinder,, set of milling machines, cylindrical grinders, balancing machines, full set of electric and pneumatic portable tools, welding & repair machines, generators, compressors, electrical & pneumatic instruments.

MAJOR REFERENCES - 2024



BOROUGE 4 PROJECT – EPC PACKAGE 2 (ETHANE CRACKER)

COUNTRY: UAE
CUSTOMER: Technip Energies

MAINTENANCE & REPAIR WORKSHOP
Set of portable type and fixed type industrial machine and tools. Industrial shelving, handling material devices and electric/electronic calibration benches



BOROUGE EPC PACKAGE 4 - XLPE UNIT

COUNTRY: UAE
CUSTOMER: Tecnimont

MECHANICAL WORKSHOP
Set of electric/electronic calibration benches, ultrasonic cleaning machine, ATEX tools, air purification systems, oil and lubricant storage and transport devices, dryers and spilling systems



BOROUGE EPC PACKAGE 4 - PO UNIT

COUNTRY: UAE
CUSTOMER: Tecnimont

MECHANICAL WORKSHOP
Set of portable type and fixed type industrial machine and tools. Industrial shelving, handling material devices and electric/electronic calibration benches, ultrasonic cleaning machine, ATEX tools, pneumatic torquing tools, pumps and compressors

MAJOR REFERENCES - 2024



SCARABEO 5 FPU (FLOATING PRODUCTION UNIT)

COUNTRY: Republic of Congo
CUSTOMER: Technip Energies

WE SUPPLIED: HANDLING EQUIPMENT
Design, certification (by RINA) and supply of complete set of customized (i.e. ATEX and CX painting) davit cranes up to 5tons, ATEX manual and electric devices like chain block, trolley hoists, portable cranes, powered pallet truck, stackers, trolleys self-propelled, containers, geared beam trolleys, etc.



TINRHERT FIELD DEVELOPMENT PROJEC

COUNTRY: Algeria
CUSTOMER: Petrofac International UAE LLC

WE SUPPLIED: CHEMICAL LABORATORY
Engineering and identification based on project analytical needs, procurement and installation of critical analyzers (e.g. AA, ICP, GC, TOC, Sulphur, IR, etc.) and necessary tools and equipment for samples weighting, treatment and preparation.



H2 GREEN STEEL PROJECT

COUNTRY: Sweden
CUSTOMER: Paul Wurth

WE SUPPLIED: SAMPLE PREP. & CHEMICAL LABORATORY
Technical Furniture, Grinders, Mills, Band Saw, Fume cupboards, Instruments, Spectrometers, X-Ray Analyzers, Sulphur Analyzers, precision balances, digital microscopes, glassware. Installation & commissioning at site

MAJOR REFERENCES – 2024/2023

SPINA
Member of NIEDAX GROUP



NFE – NORTH FIELD EAST – NFE LNG PROJECT

COUNTRY: Qatar
CUSTOMER: CTEP France SNC - Represented by Technip Energies France and Chiyoda France

WE SUPPLIED: SLUDGE / WASTE MANAGEMENT and HANDLING
Terminal Tractor and set of customized refuse skips for safe and for hazardous material

WE SUPPLIED: SLUDGE / WASTE MANAGEMENT and HANDLING
2 x Tractors with front loader and front PTO, 12 x special trailers for sludge handling, sludge aerators, set of chemical unloading pumps, mixing systems, refuse skips, drum crushers, balers unit, oil filter compactors, sodium Hypochlorite Filling Station



BERRI OILFIELD DEVELOPMENT

COUNTRY: Saudi Arabia
CUSTOMER: Saipem Saudi Arabia

WE SUPPLIED: MECHANICAL WORKSHOP
300+ industrial machines including Valve test benches, Control Valve test rig, lathe machines, complete set of pneumatic tensioning tools, CNC centers, Motor test benches, Electrical Test Benches, sprayer machine, surface grinder, set of milling machines, cylindrical grinders, balancing machines, full set of electric and pneumatic portable tools, welding & repair machines, generators, compressors, electrical & pneumatic instruments



CORAL - ENI

COUNTRY: Mozambique
CUSTOMER: Saipem Mozambique

WE SUPPLIED: MECHANICAL WORKSHOP
Set of 100+ portable tools for safe area and set of portable monitor and analyzer for measurement and predictive maintenance, including a TELEDYNE FLIR thermography camera and set of portable vibration monitoring analyser, sensors and software by Bently Nevada

MAJOR REFERENCES – 2023/2022



NFE – NORTH FIELD EAST – NFE LNG PROJECT

COUNTRY: Qatar
CUSTOMER: CTEP France SNC - represented by Technip Energies France and Chiyoda France

WE SUPPLIED: MECHANICAL WORKSHOP
150+ industrial machines including Valve test benches, Control Valve test rig, set of lathe machines, ATEX HVAC trailer mounted units up to 56Kw, complete set of pneumatic tensioning tools, HE Tube Bundle Puller and related bundle cleaner system, CNC screw and threading center, Motor test benches, Electrical Test Benches, sprayer machine, surface grinder, set of milling machines, cylindrical grinders, balancing machines



NAVAL ACADEMY BATRAN CONSTANTA SEAPORT ELSA

COUNTRY: Romania
CUSTOMER: Elsa Technology S.R.L.

WE SUPPLIED: LABORATORIES & PILOT PLANT
Turn-key for maintenance, repair and refuelling of the vessels. Major items where the pilot plant composed by pressured ATEX panels, compressors, ATEX submerged fluid pumps, ATEX dosing pumps, ATEX axial fan, PLC with alarms, electrical test benches horns, lamps and portable testing instruments, benches, workstations and software



CORAL - ENI

COUNTRY: Mozambique
CUSTOMER: Saipem Mozambique

WE SUPPLIED: MECHANICAL WORKSHOP
Set of industrial machine and tools. Sheet forming machine, lathe machines, milling machine, pedestal grinders and column drills

MAJOR REFERENCES – 2022/2021



TOSYALI DIRECT REDUCTION PLANT – SECOND UNIT

COUNTRY: Algeria
CUSTOMER: Paul Wurth

WE SUPPLIED: SAMPLE PREP. & CHEMICAL LABORATORY
Technical Furniture, Grinders, Mills, Band Saw, Fume cupboards, Instruments, Spectrometers, X-Ray Analyzers, Sulphur Analyzers, precision balances, digital microscopes, glassware. Installation & commissioning at site



CTE PRESENZANO

COUNTRY: Italy
CUSTOMER: Ansaldo Energia

WE SUPPLIED: CHEMICAL LABORATORY
Engineering, Technical Furniture, consumables and chemicals, utilities distribution system, instrumentation, Installation, commissioning

WE SUPPLIED: MAINTENANCE WORKSHOP
Bench and portable testing instruments, machine tools, transformers machines, compressors, electrical & pneumatic repair instruments



CTE PRESENZANO

COUNTRY: India
CUSTOMER: HURL Consortium - Barauni Project

WE SUPPLIED: CHEMICAL LABORATORY
Spare-parts, Start-up & commissioning of 24 critical analyzer (AA, ICP, GC, etc.) in coordination with OEM personnel

MAJOR REFERENCES - 2021

SPINA
Member of NIEDAX GROUP



BAPCO MODERNIZATION PROGRAMME

COUNTRY: Bahrain
CUSTOMER: Technip Energies Italy

WE SUPPLIED: MECHANICAL WORKSHOP

Valve test benches, Control Valve test rig, CNC screw and threading center, Motor test benches, Electrical Test Benches, sprayer machine, surface grinder, set of 12 lathe machines, set of 3 milling machines, cylindrical grinders, balancing machines, full set of electric and pneumatic portable machine tools, welding & repair machines, compressors, electrical & pneumatic instruments, shelving and storage system



AIN TSILA DEVELOPMENT PROJECT

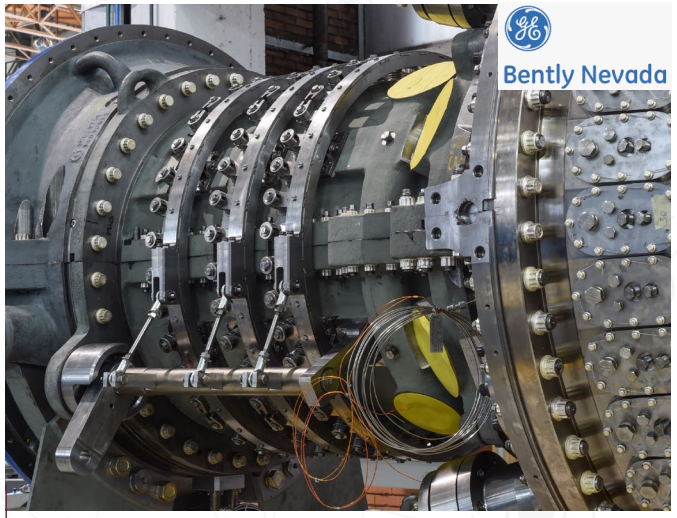
COUNTRY: Algeria
CUSTOMER: Petrofac International UAE LLC

WE SUPPLIED: MECHANICAL WORKSHOP

Full set of ATEX chain block, ATEX trolleys, ATEX beam clamps, gas cylinder trolleys, ATEX bar trolleys, cranes and ATEX forklifts

WASTE MANAGEMENT PLANT

Full set of industrial machines (Glass crusher, baler, waste compactors, tyre shredder, fluorescent tubes crusher, wood chippers, food waste extractors, dolly truck and forklift, drum washing facility



GE BAKER HUGHES – TURBINE MAINTENANCE CONTAINER

CUSTOMER: SPIE Oil & Gas Services

WE SUPPLIED: MECHANICAL WORKSHOP

Full set of electric and pneumatic portable machine tools, measuring instruments, welding machines, compressors, electrical & pneumatic instruments, shelving and storage system.

MAJOR REFERENCES - 2021



TAWEELAH POWER AND DESALINATION PLANT

COUNTRY: UAE
CUSTOMER: Abengoa Agua Y Energia

WE SUPPLIED: CHEMICAL LABORATORY
Engineering, Technical Furniture, fume hoods, instrumentation, chemicals and consumables



TALARA REFINERY MODERNIZATION

COUNTRY: Perù
CUSTOMER: Cobra Peru S.A.

WE SUPPLIED: CHEMICAL LABORATORY
Supply, installation and commissioning of 100+ analyzers and 30+ physical properties instruments and sampling accessories for refinery application



TERMOCANDELARIA POWER PLANT CARTAGENA

COUNTRY: Colombia
CUSTOMER: Tecnicas Reunidas Spain

WE SUPPLIED: CHEMICAL LABORATORY
Engineering, Technical Furniture, consumables and chemicals, utilities distribution system, instrumentation, Installation, commissioning

MAJOR REFERENCES – 2020/2019



AIN TSILA DEVELOPMENT PROJECT

COUNTRY: Algeria
CUSTOMER: Petrofac International UAE LLC

WE SUPPLIED: CHEMICAL LABORATORY
Engineering, Technical Furniture, technical gases & utilities distribution system, instrumentation, Installation, commissioning



ENI GHANA E&P

COUNTRY: Ghana
CUSTOMER: Spie Oil&Gas Services

WE SUPPLIED: MECHANICAL WORKSHOP
Valve test benches, Electrical Test Benches, machine tools, welding & repair machines, compressors, electrical & pneumatic instruments, shelving and storage system



HURL CONSORTIUM - BARAUNI PROJECT

COUNTRY: India
CUSTOMER: TechnipFMC

WE SUPPLIED: CHEMICAL LABORATORY
No. 124 Analyzers (e.g. AA, ICP, GC, TOC, Sulphur, IR, etc.).
Full set of Instruments and consumables

MAJOR REFERENCES - 2019



R&D CENTRE OF EXCELLENCE (COE)

COUNTRY: Congo
CUSTOMER: Eni Congo S.A.

WE SUPPLIED: SOLAR LABORATORY
Photovoltaic Testers, data acquisition system, infrared cameras, signal amplifier, source-meter and all related accessories.

BIOMASS LABORATORY
High pressure autoclave, bioreactors, evaporators and all related accessories



DUQM PROJECT

COUNTRY: Oman
CUSTOMER: Saipem

WE SUPPLIED: MECHANICAL WORKSHOP
Valve test benches, Electrical Test Benches, machine tools, welding & repair machines, compressors, electrical & pneumatic instruments



ASORC CALCINATION DRYER PACKAGE AND H2 PURIFICATION

COUNTRY: Egypt
CUSTOMER: AXENS / Heurtey Petrochem Solutions

WE SUPPLIED: MANUAL SAMPLERS
SS 904L Samplers “self-standing” type with coolers, pressure reduction and flanged connections

MAJOR REFERENCES – 2018/2017



SUMGAIT CHEMICAL INDUSTRIAL PARK (SCIP)

COUNTRY: Azerbaijan
CUSTOMER: Socar Polymer

WE SUPPLIED: ELECTRICAL MAINTENANCE WORKSHOP
Complete Set of portable & bench equipment: calibrators, communicators, various electrical parameters testers and analyzers, thermal cameras, tools, multi-meters, consumables



CORAL SOUTH DEVELOPMENT PROJECT

COUNTRY: Mozambique
CUSTOMER: TJJV CONSORPTIUM TECHNIPFMC/ JGC Corportation

WE SUPPLIED: MECHANICAL WORKSHOP
Valve test benches, Electrical Test Benches, machine tools, welding & repair machines, compressors, electrical & pneumatic instruments



AEGEAN REFINERY PROJECT

COUNTRY: Turkey
CUSTOMER: Aegean Refinery Project

WE SUPPLIED: CHEMICAL LABORATORY
Technical Furniture, technical gases & electrical distribution system, instrumentation. Installation & commissioning at site

MAJOR REFERENCES - 2017



TOSYALI DIRECT REDUCTION PLANT

COUNTRY: Algeria
CUSTOMER: Paul Wurth

WE SUPPLIED: SAMPLE PREP. & CHEMICAL LABORATORY
Technical Furniture, Grinders, Mills, Band Saw, Fume cupboards, Instruments, Spectrometers, X-Ray Analyzers, Sulphur Analyzers, precision balances, digital microscopes, glassware. Installation & commissioning at site



GAS TRAIN 5 MAA MINA AL-AHMADI REFINERY

COUNTRY: Kuwait
CUSTOMER: Tecnicas Reunidas

WE SUPPLIED: CHEMICAL LABORATORY
Technical Furniture, Fume cupboards, Instruments, Total Sulphur Analyzers, Gas Chromatograph PFPD and SCD, Dew point meters, Natural gas analyzer, glassware and consumables



JAZAN INTEGRATED GASIFICATION COMBINED CYCLE

COUNTRY: Saudi Arabia
CUSTOMER: Saipem Italy

WE SUPPLIED: MECHANICAL WORKSHOP
Turn-Key: Benches, machine tools, welding & repair machines, compressors, electrical & pneumatic instruments

SPINA IN THE WORLD

Member of NIEDAX GROUP

SPINA GROUP S.R.L
Via del Tecchione 36/B 20098
ZI Sesto Ulteriano – San Giuliano
Mil.se (MI) Italy
Ph. (+39) 02.988626-1
Fax (+39) 0298281744
www.spinagroup.com
www.spinagroup.nl
customerservice@spinagroup.com

SPINA GROUP MEXICO INDUSTRIAL SOLUTION S. de R.L. de C.V.
Montecito 38, Nápoles, oficina 31,
Benito Juárez, 03810 Ciudad de México
Ph. (+52) 55 8950 4544
mexico@spinagroup.com

SPINA GROUP NETHERLANDS B.V.
Regulusweg 5
2516 AC Den Haag
Ph. +31 0 102378135
netherlands@spinagroup.com

SPINA GROUP AMERICA INC.
1800 West Loop S. Ste 1600
Houston, TX 77027 USA
Ph. +1 832 834 3641
spina.usa@spinagroup.com

SPINA MOZAMBIQUE LDA
Maputo, Avenida Vladimir Lenine,
1st Floor Millenium Park Building
mozambique@spinagroup.com

SPINA GROUP EGYPT Ltd.
1/B/2 bldg., corer of Mohamed
Abd El Wahab St.
flat 1, Ground floor
Laselky Division, New Maadi
egypt@spinagroup.com

SPINA AFRICA INDUSTRIAL SOLUTION Ltd.
4th floor, Marble House 1,
Kingsway Road, Falomo Ikoyi, Lagos
nigeria@spinagroup.com

SPINA GUYANA INC
Lot 105 smyth street
werk-en-rust, Georgetown
customerservice@spinagroup.com

SPINA GROUP MIDDLE EAST DMCC
Unit No: 30 01 1077 DMCC J&G
Dubai United Arab Emirates
Ph. +971 566242118
uae@spinagroup.com



QUALITY SYSTEM CERTIFICATION
DNV·GL
ISO 9001:2015

OUR COMPANY IS ISO 9001:2015 CERTIFIED

HEADQUATER BRANCHES SALES AGENGY

SPINA

Member of NIEDAX GROUP

Thank you