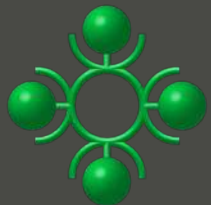


ENERGIE

Customized **Instrument Air and Technical Gas plants**
with outstanding performance and complex technical features



OUR LOCATION marks **OUR COMPANY**



- Our Region is **in the middle of the biggest European** technical district.
- **Excellent engineering** combined to **high quality** of manufacturing practises and possible **suppliers selection**.
- **Green protection** and **sustainability** is in our **DNA**

IN ONE WORD

ITALIAN QUALITY



CERTIFICATES

- **QUALITY MANAGEMENT SYSTEM** in accordance with the **UNI EN ISO 9001** regulation.
- **ENVIRONMENTAL MANAGEMENT SYSTEM** in accordance with the **UNI EN ISO 14001** regulation.
- **OCCUPATIONAL HEALTH and SAFETY MANAGEMENT SYSTEM** in accordance with the **UNI ISO 45001** regulation.



OUR NUMBERS

114

Employees

22

MLN €
Turnover

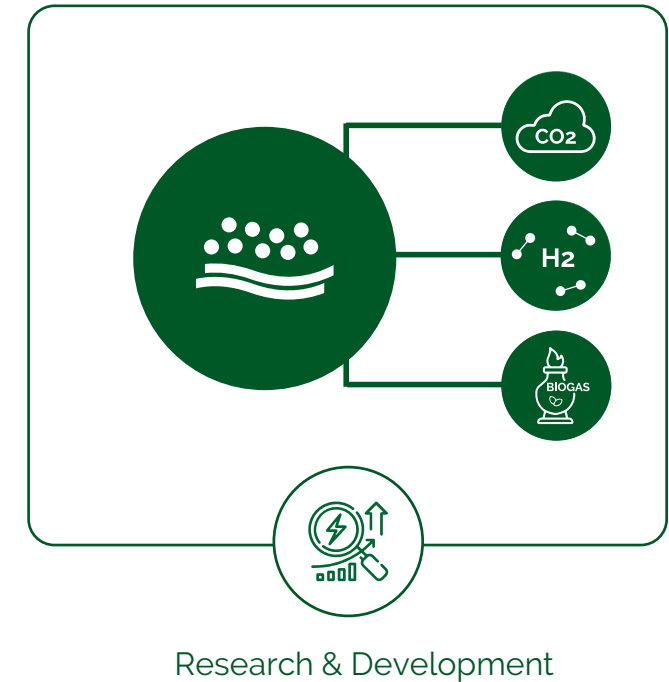
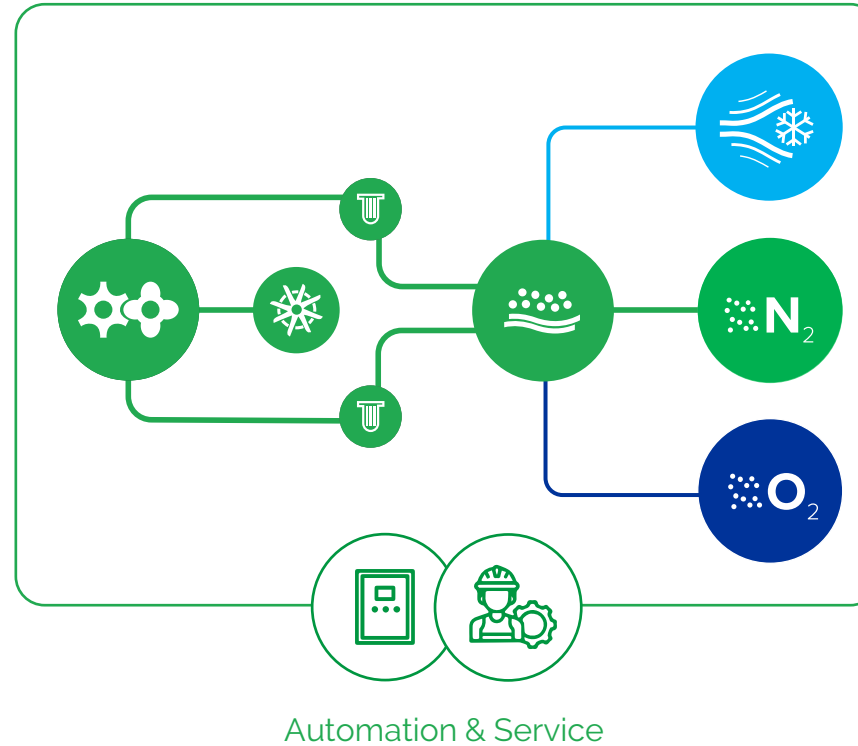
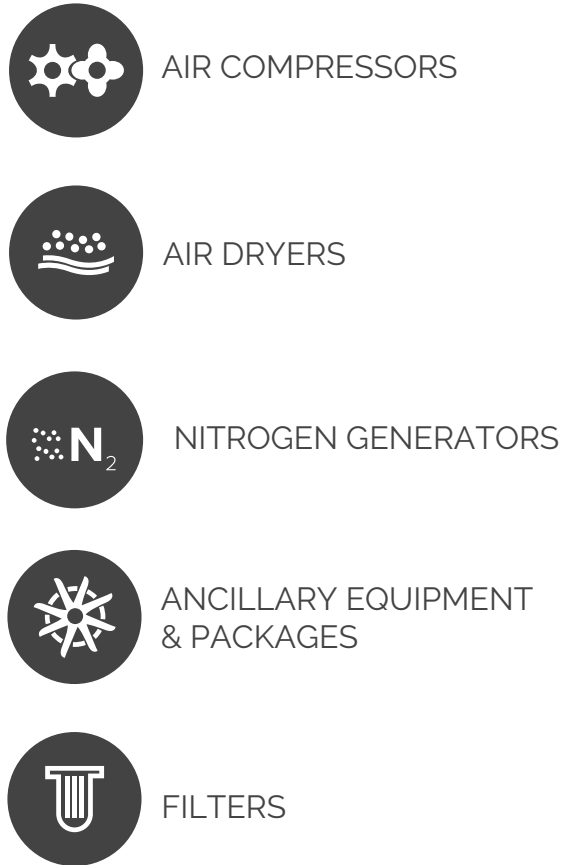
25

Years of
experience

1215

Packages

OUR STORY marks OUR COMPANY



Customized Equipment

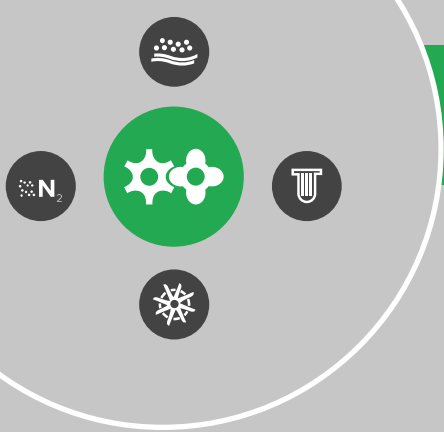
START

Integrated engineering solutions

NOW

Sustainable

FUTURE



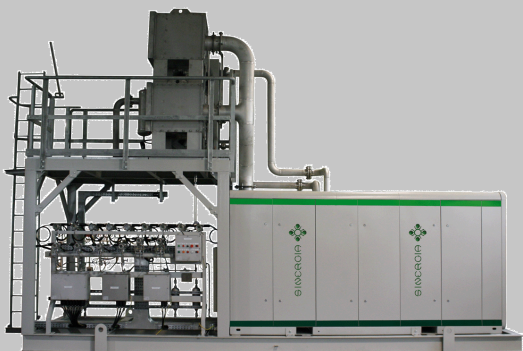
AIR COMPRESSORS



Sinergia is internationally renowned as air compressors packager, able, thanks to agreements with main global manufacturers, to supply the most efficient compressor module, assembled in an engineered package, fully or partially customized, depending on the typical requirements of each industry sector and project specifications.



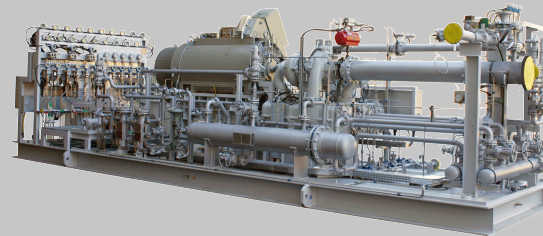
**Oil free screw
Air compressor**



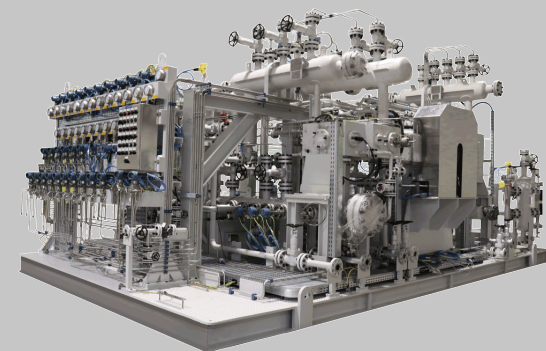
**Oil injected screw
Air compressor**



**Centrifugal
Air compressor**



**Reciprocating
Air & N₂
compressor**





AIR DRYERS



Air dryers are installed downstream the air compression in order to ensure the level of humidity content suitable for the process scope. Sinergia engineers and manufactures a wide range of refrigeration, and adsorption air dryers suitable for any kind of application and operating condition.

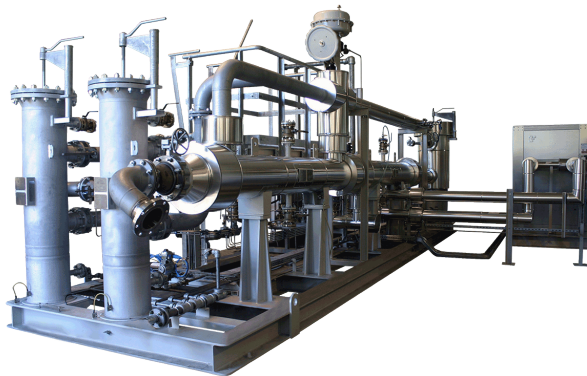
Thanks to its flexibility Sinergia is capable to offer alternative technologies, selecting them in terms of efficiency and energy-saving. For each technology can be supplied standard, improved or completely engineered version, in order to satisfy all market requests.



**Heatless
Dryer**



**Refrigeration
Dryer**



**Heat Dryer
with blower**



**Heat of
compression Dryer**





N₂ & O₂ GENERATORS



Together with compressed air, nitrogen is one of the most widespread utility in industrial productions. The inert property of this gas promoted to its diffusion, in all industries, especially for safety reasons, for safety reason when raw materials and products are potentially explosive and installation areas are classified as dangerous; in chemical, food, steel industries where oxidation could damage the production or alterate critical processes.



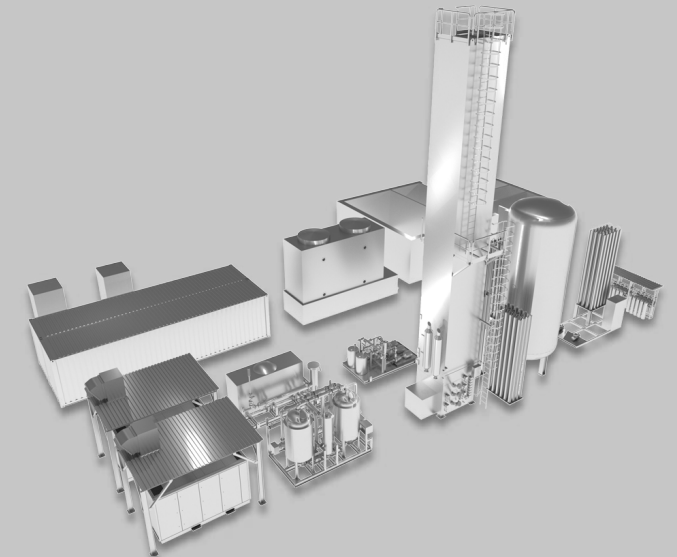
**Membrane
Generator**



**PSA
Generator**



**Cryogenic Nitrogen
Generator**



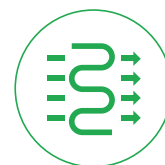
ANCILLARY EQUIPMENT & PACKAGES



Sinergia is committed to supply turn-key integrated systems, composed of main equipment and packaged ancillary, designed and manufactured internally thanks to the wide competences of the engineering team and productive flexibility. The ambition to get full responsibility on this kind of projects has brought Sinergia to horizontally integrate its productive range with following items.



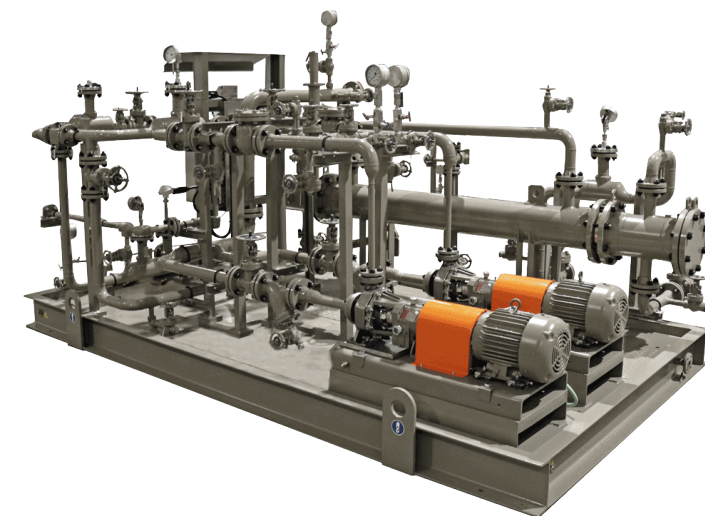
**Air & Water
Cooler**



**Shell & Tube
Heat Exchanger**



**Oil & Water
Console**



ANCILLARY EQUIPMENT & PACKAGES



Sinergia is committed to supply turn-key integrated systems, composed of main equipment and packaged ancillary, designed and manufactured internally thanks to the wide competences of the engineering team and productive flexibility. The ambition to get full responsibility on this kind of projects has brought Sinergia to horizontally integrate its productive range with following items.



**Pressure
Vessel**



**Pulsation
Damper**

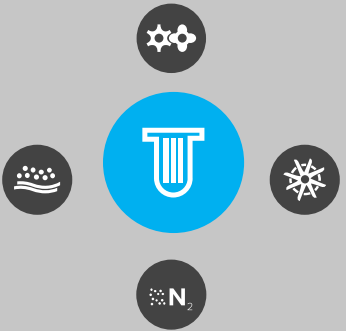


Silencer



**Circulating pump
skid**





FILTERS

SINERGIA 

Sinergia designs and manufactures customized compressed air and nitrogen filters to be installed onboard its packages or supplied as per customer specifications.
A dedicated trading division takes care of the supply of:



SDOF Filter

Sinergia Standard Filters production is suitable for installation on our packages, but also selectable for any kind of process requiring compressed gas treatment.



STANDARD Filter for:
compressed air, nitrogen, oxygen,
methane, CNG, biogas, sterile
application.

SERVICE & AFTERMARKET

Sinergia has a **Service Department** that takes over all the projects once the goods are delivered from our factory to site. Nevertheless, its people participate in the main phases of project development in order to give advice about the better way to manage and ease all future site activities.




Customer Service
Real-time Remote
Monitoring



Main Spare Parts,
available in our
Warehouse




Personnel Training and
Site supervision to
Installation
Commissioning
Start-up
SAT



OPITO certified
technicians for off-shore
service



AUTOMATION

The integration of our equipment or packages in existing plants or new greater projects, with relative requirements, has emerged the need of a specific answer. Sinergia has decided to develop internally a dedicated department that is in charge of the engineering, manufacturing, assembling, testing, commissioning of:

PRODUCTS



Electrical Panels



Unit & Master Control Panels with the following features

ACTIVITIES

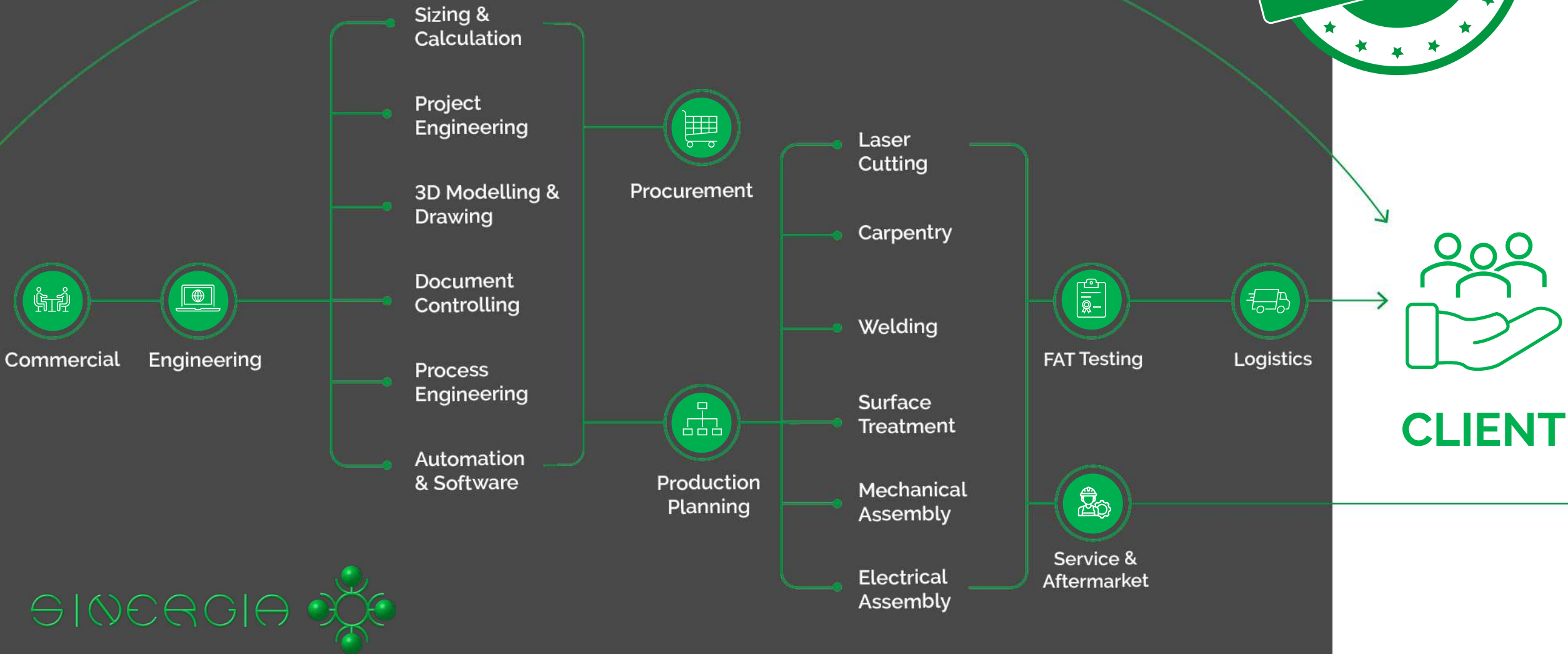


Documental production accordingly with project list.
Construction codes.



Installation and testing of all electrical cabling and signal wiring

Every project is supervised by a dedicated Project Manager & Quality Department



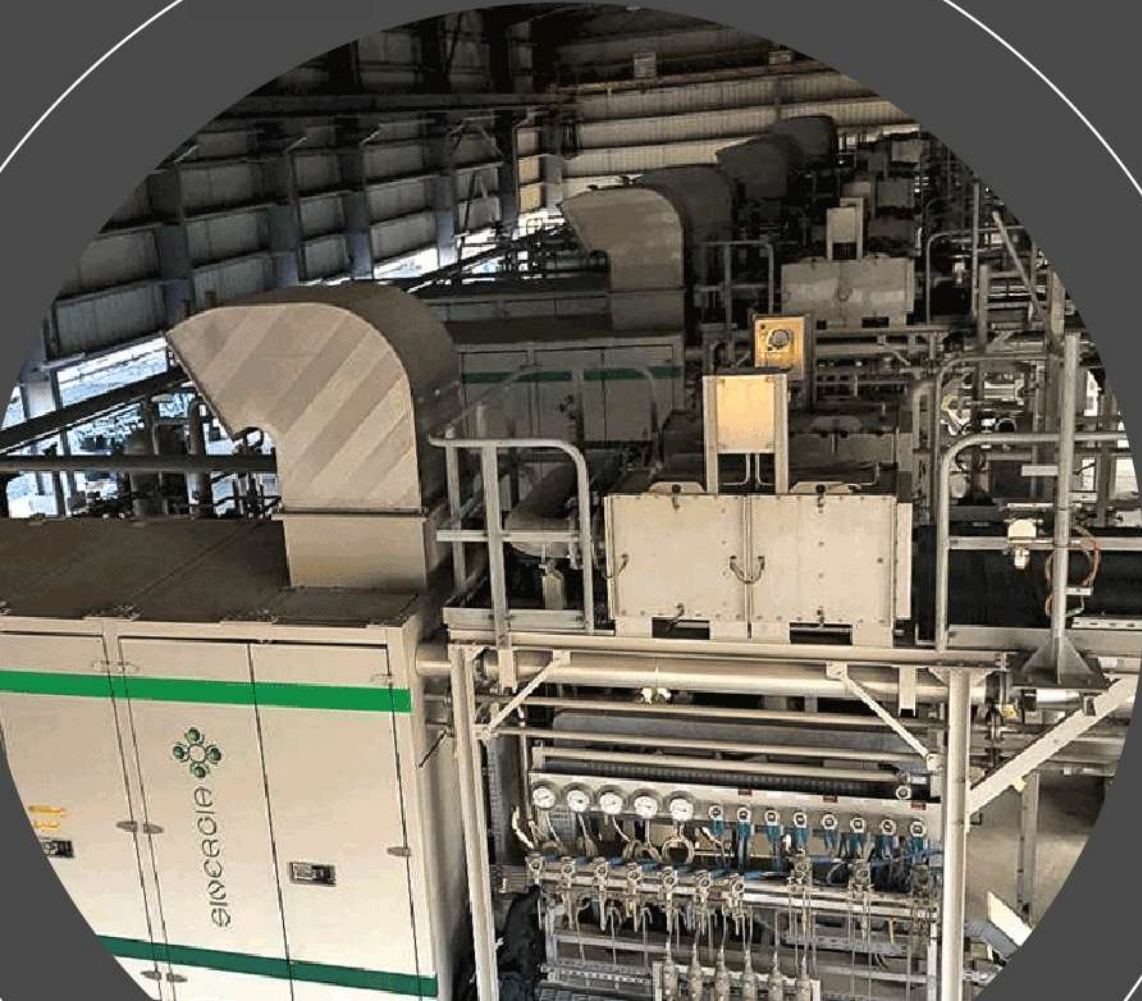


Sinergia
Headquarter
& Production
premises

OIL&GAS UTILITIES



Compressed Air



N_2 Nitrogen

SINERGIA

UPSTREAM



MIDSTREAM



DOWNSTREAM



OFF SHORE



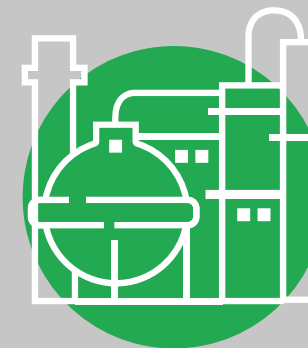
ON SHORE



PROCESS & STORAGE



TRANSPORT



PETROCHEMICAL
MANUFACTURING

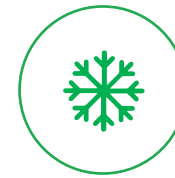
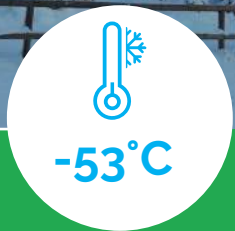


REFINERY

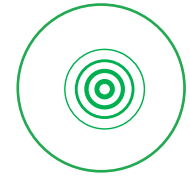


SITE ENVIRONMENT

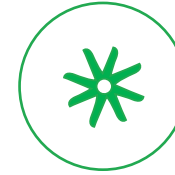
Thanks to its flexibility, Sinergia has developed a wide range of technical solution enabling the installation from **-53°C to +58°C ambient temperatures.**



Winterization



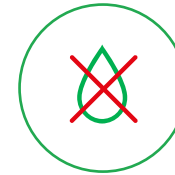
Installation in populated area:
special silencing systems.



Improved mechanical and
electrical cooling systems



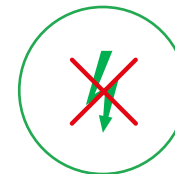
Filtration for desert
installation



Absence of
water



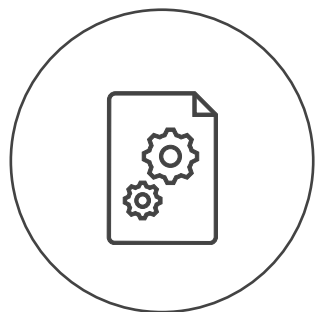
Offshore installation: special
surfaces protection cycles.



Absence of
power



Hazardous
Area



LOCAL regulation

Different geographic areas, adopted **different code** of constructions and consequent certifications to be provided by manufacturer, for example:

PED

ASME

ARH

TR.CU (OSH – DOSH – SASO – GOST)

ITRI

Especially in Oil&Gas the main End Users impose their own specifications to the supply chain of the project:

DEP SHELL

MESC

API

O&G Company specs

CLIENT specifications



ELECTRICAL codes

Construction codes:

2006/42/CE; 2014/35/UE

IEC / CEI EN 60204-1 (2018);

IEC / CEI EN 61439;

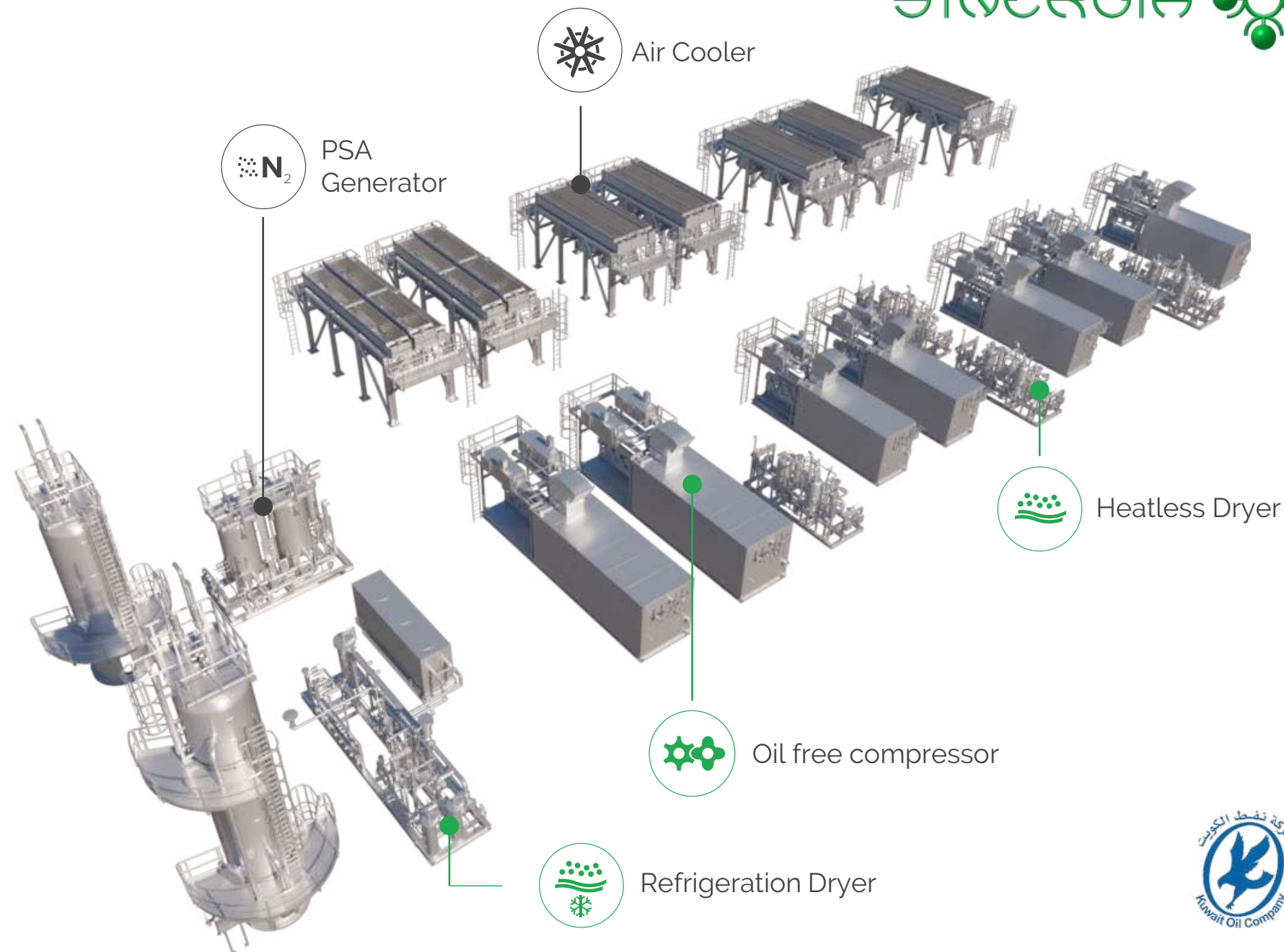
IEC / CEI EN 60079-14;

IEC 61508 and IEC61511

Project:
LOWER FARs –
LFHODP Phase I

Location:
Kuwait

Installation:
Instrument Air & N₂
Integrated system

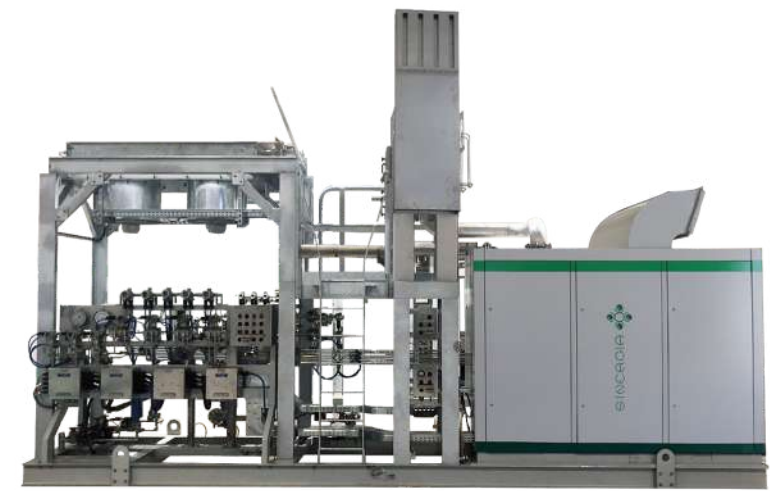




OIL FREE COMPRESSOR



Oil injected screw compressor



Centrifugal compressor





AIR COOLER



SINERGIA 



Water Cooler



Shell&Tube





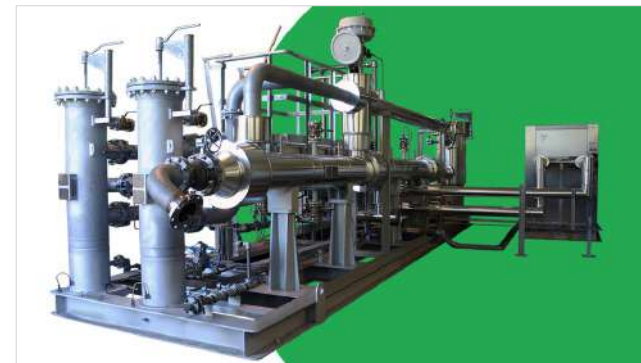
HEATLESS DRYER



SINERGIA



REFRIGERATION DRYER



Heat with blower dryer



Heat of compression dryer





PSA GENERATOR



Membrane generator



Nitrogen Storage & Vaporizers

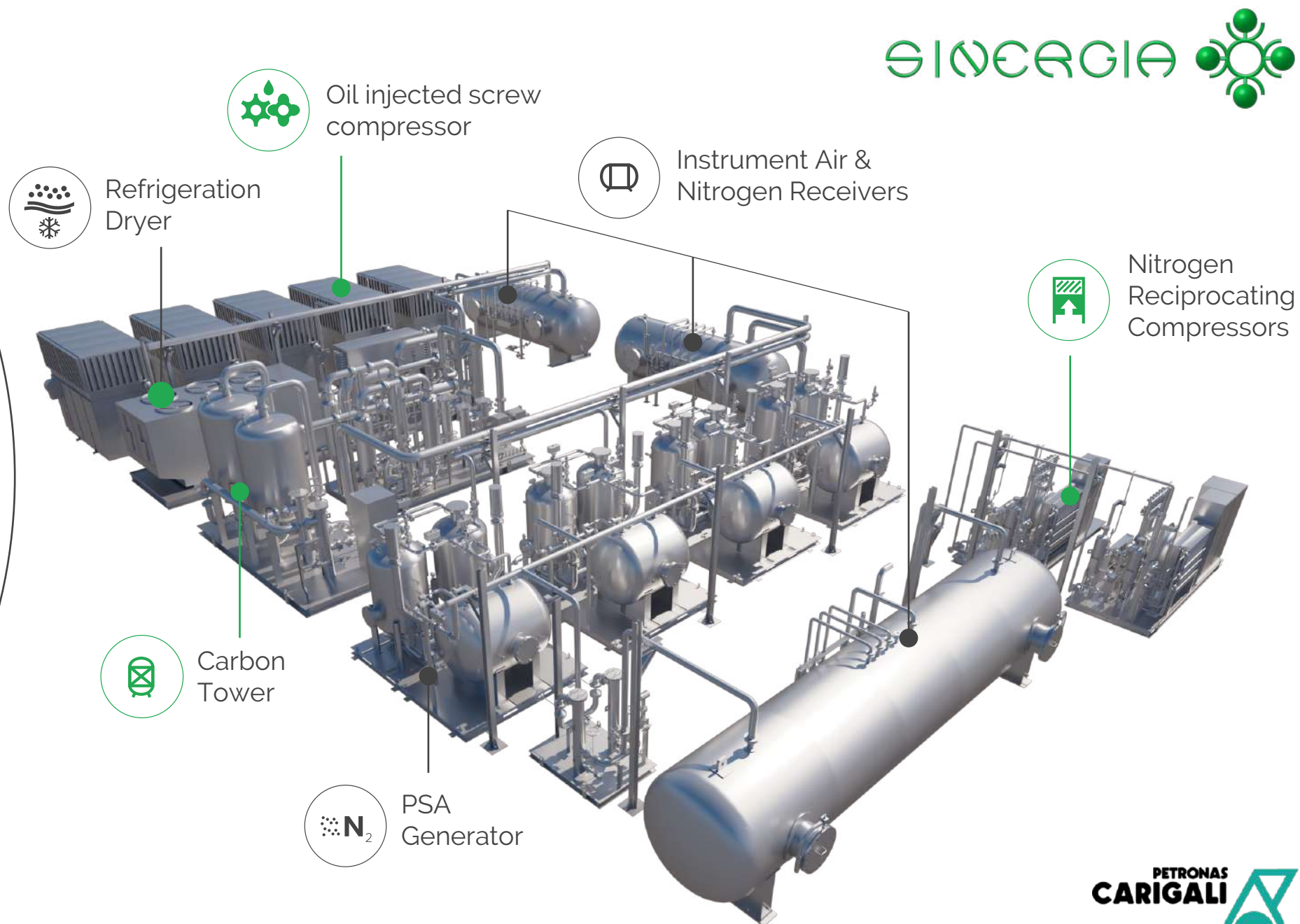




Project:
WATER
MANAGEMENT
SYSTEM –Phase I

Location:
Iraq

Installation:
Instrument Air & N₂
Integrated system





OIL INJECTED SCREW COMPRESSOR



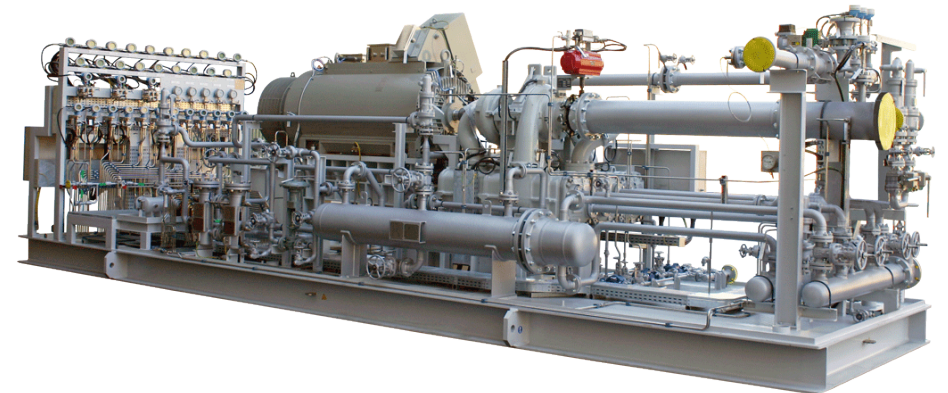
SINERGIA 



Oil free screw compressor



Centrifugal compressor





REFRIGERATION DRYER



Heatless dryer



Heat with blower dryer



Heat of compression dryer





CARBON TOWER

SINERGIA 





PSA GENERATOR



Membrane generator



Nitrogen Storage & Vaporizers



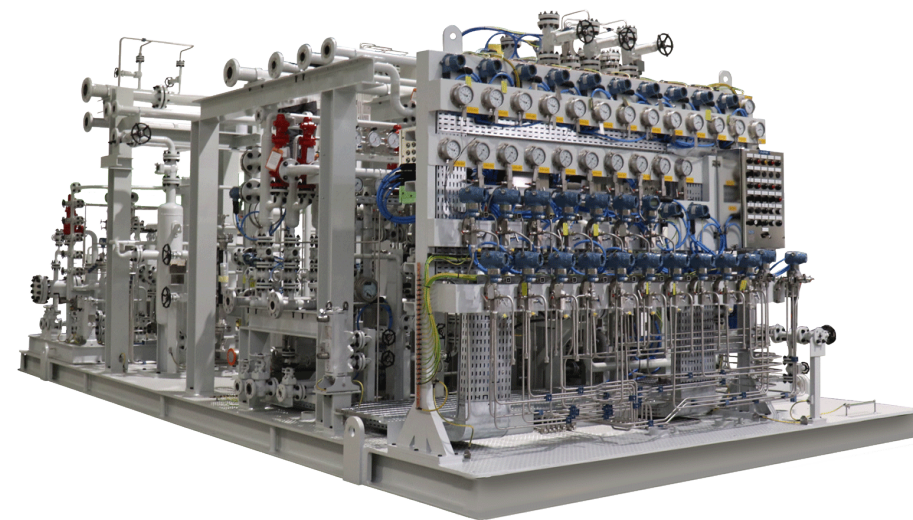
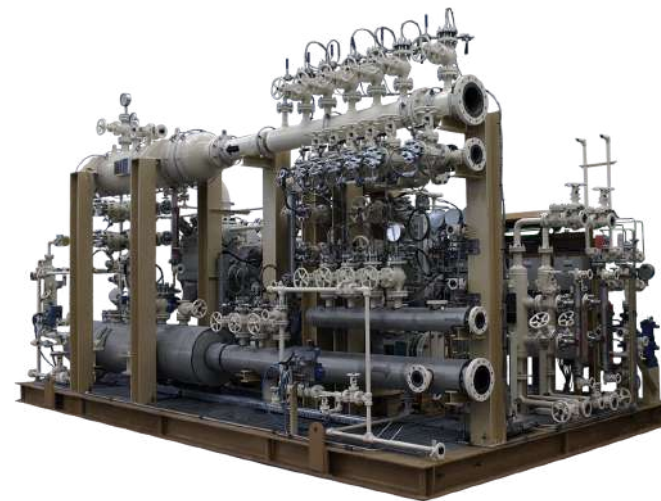


RECIPROCATING COMPRESSOR



SINERGIA

Customized Engineering





INSTRUMENT AIR & NITROGEN RECEIVERS



ON SITE

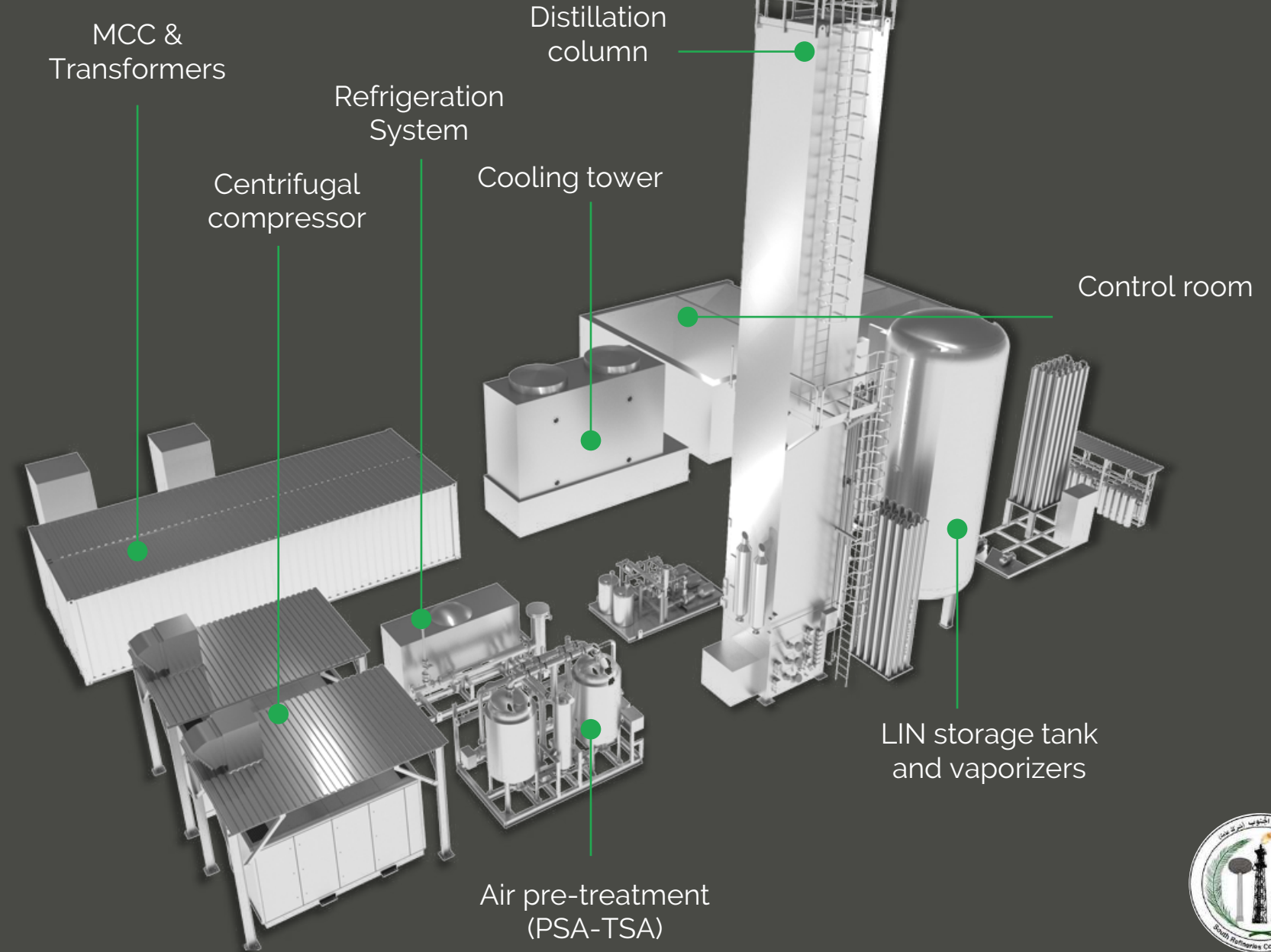
SINERGIA 

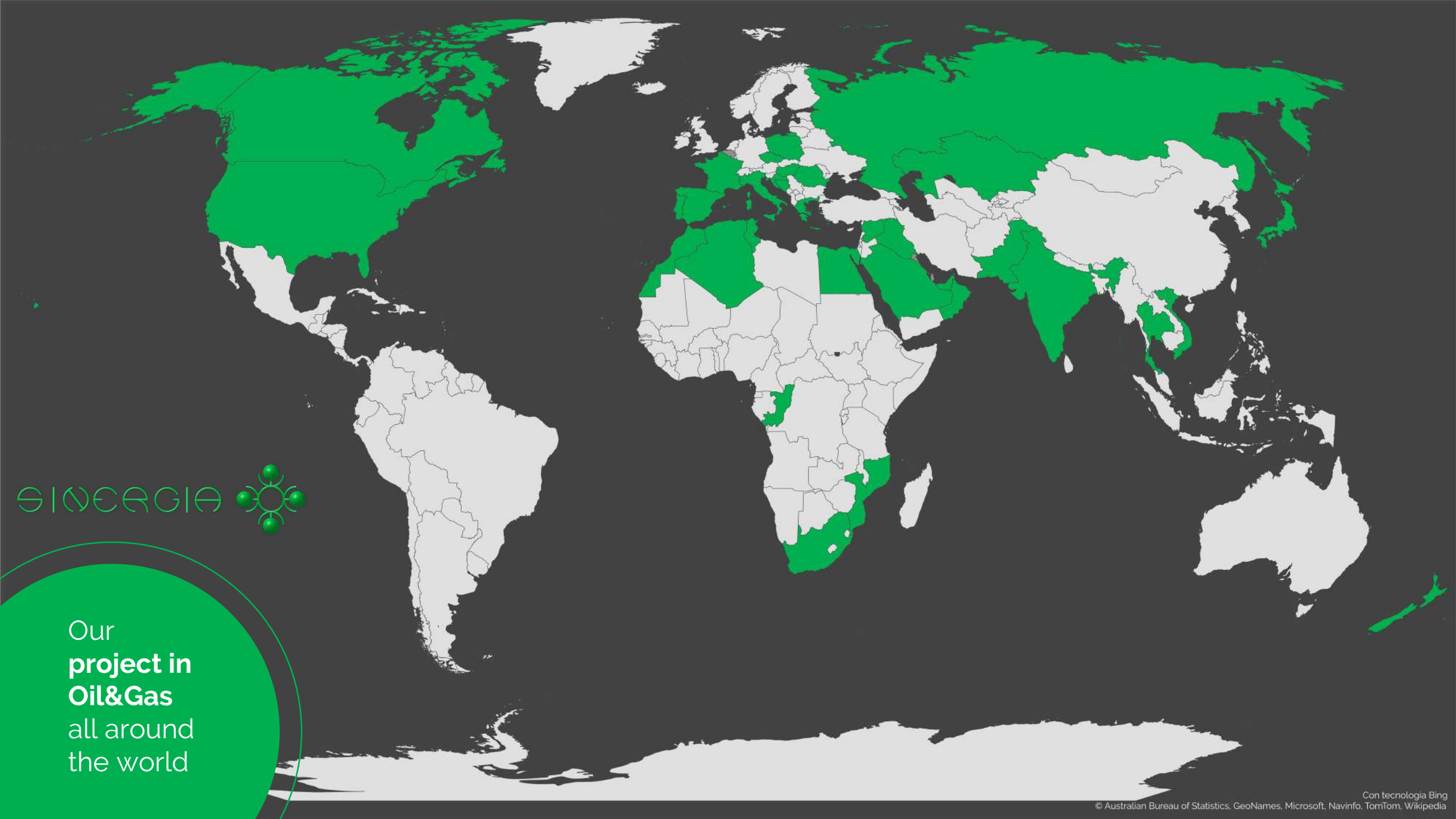


Project:
SRC

Location:
Iraq

Installation:
Nitrogen
Cryogenic
Storage
Plant





Our
**project in
Oil&Gas**
all around
the world



Sinergia S.p.A. is definitively aware of **Sustainable Development Goals** pursued by States and International Entities, as is of the fact that these are becoming selection criteria of suppliers.

Our Company has **implemented**, since its establishment, in **its organization and procedures**, social and ethical behaviors.



Recognition of the sustainable attitude came recently from **FORBES** who selected **Sinergia among the Best 100 Italian Companies** for its **"SUSTAINABILITY AWARDS"**.



SUSTAINABILITY PROCESS

Optimization and improvement

of all processes aiming:

- Reduction of waste
- Reduction of CO₂ emissions
- Reduction of pollutions
- Increasing of efficiency



Selection of suppliers

based on their sustainability approach and future ESG evaluation (*sustainability performance score*)



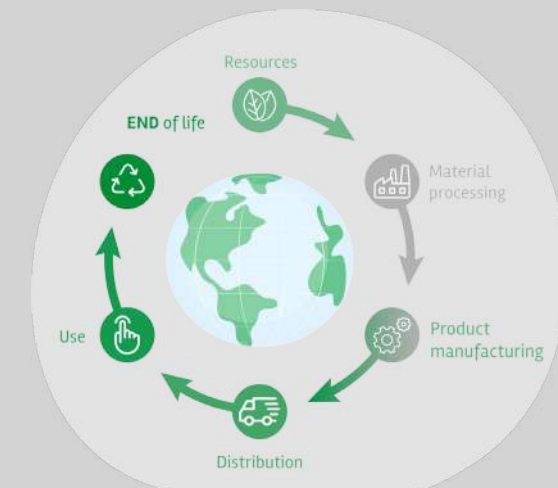
Selection of main materials

accordingly with certified recycled or re-used criteria.



Life Cycle

Assessment of all main products has been already implemented in a tool developed in partnership with *University of Bergamo*.





In the last years we invested in order **to improve our path to sustainability** goals on our Company, both as a low **ambient impact manufacturing plant**, and as **provider of environmental low impact products**. All our choices since then, have been defined accordingly with these guidelines. We invested on:



COMPANY INFRASTRUCTURE & ASSETS

New Offices

made of renewable materials mainly wood & glass.
(2.000 mq)



New automatic 3D laser-cutting machines
reduced power consumption and ambient pollution.

New solar panel system (capacity 500 kW/h)
for electrical self-sustainability and substitution
of polluting diesel generators

LCA

Life Cycle Assessment



LCA	
EQUIVALENCES	VALUE
Number of tank wagon	0,0109
Liters of gasoline consumed	351
Yearly electrical consumption (number of houses)	0,123
Number of oil barrels	1,92

SOME OF OUR CLIENTS





CONTACTS

Via Serio, 29 - 24021 Albino (BG) - Italy

General: web@sinergia-it.com

Commercial: commercial@sinergia-it.com

Service: service@sinergia-it.com

Phone. +39 035 0527200

Fax. +39 035 0526085

www.sinergia-it.com

