OIKOS S.r.l.
Engineering & Management

Headquartes
Via Veneto 116 – 74121 Taranto

Offices
Via Verga 4 – 44122 Ferrara
Via Lucania 90 – 74121 Taranto

Contact us
info@oikos-srl.com.

Website
www.oikos-srl.com

COMPANY PROFILE

OIKOS S.r.l.
is a multidisciplinary engineering company operating in the fields of Mechanical, Alternative/Renewable energy, Petrochemical and Pharmaceutical.

OIKOS borns in 2022 from the experience of the founding partners who, together with a network of collaborators, guarantee competence and reliability in the development of multi-disciplinary engineering activities.

OIKOS in ancient Greek (οἶκος) means family - house understood as the basic unit of ancient Greek society and organizational model of work activities.

With the name **OIKOS**, the founding members want to **take** up the meaning of this term to enhance and strengthen the relationship between the employees, collaborators, customers and suppliers of the Company.

ABOUT US

GIAN LUCA MACCAGNANI - FOUNDER

AMEDEO RUGGIERI - FOUNDER

Education
1995 Degree in Chemical Engineering from the University of Bologna Italy.

Experience
From 1995 to May of 2000 in company DIEMME Ravenna (Italy) as Project Engineering for the solid liquid separation.

From 2000 to 2007, in Inalco Group pharmaceutical Company located in Milan (Italy) as Site Manager. The business area of the group is the carbohydrate chemistry and the main raw material is the Lactose starting from which the Farm produce all its derivate in liquid or solid form.

From 2007 to 2010 in Fidia Farmaceutici which is a facilities located in Abano Terme (Italy) as Site Manager.
The mainly business area of the Company is the production of Ialuronic acid and its derivate that could be obtained in liquid or solid form.
Quite interesting is the production of skin and cartilage to get from biopsy. It is now possible to repair traumatic lesions with cartilage grafts using cells taken from the same patient.

From 2010 until today Freelance for Companies working in oil&gas, food and pharmaceutical chemistry as a support for the development of multi-disciplinary engineering.

From 2022 founding member and technical director of the company OIKOS S.r.l.. OIKOS is specialized in the development of multidisciplinary engineering activities in the chemical-pharmaceutical and oil & gas sectors (on shore and off shore).

Education
2006 Degree in Environmental and Land Engineering from the Polytechnic of Bari Italy.

Experience
From 2005 to May of 2008 in Associated Technical Engineering Office GRG STUDIO VECCHI & ASSOCIATI located in Taranto (Italy) as Civil Engineering for the Civil building construction projects.

From 2008 to 2010, in Enginering company COLUCCI ENGINEERING SRL located in Taranto (Italy) as Civil Discipline Leader for the Industrial civil construction projects.

From 2011 to 2013, in Enginering company FGM ENGINEERING SUD located in Taranto (Italy) as Civil Discipline Leader for the Oil&Gas construction projects.

From 2013 to 2018, in Enginering company FB.M. srl located in Taranto (Italy) as Site Manager for maintenance engineering operating within the Eni Refinery.

From 2018 until today Freelance for Companies working in oil&gas, food and pharmaceutical chemistry as a support for the development of multi-disciplinary engineering.

From 2022 founding member and technical director of the company OIKOS S.r.l.. OIKOS is specialized in the development of multidisciplinary engineering activities in the chemical-pharmaceutical and oil & gas sectors (on shore and off shore).

Basic Design (BD)

The Basic Design aims to produce a set of basic documents, including Process Diagrams, Financial Feasibility, preliminary estimation of the PFD (Mass & Energy Balance), specifications of the equipment for a new (or existing) system/plants.

These documents are normally prepared by the Licensor of the process that knows the requirements and owns the specific know-how. These set of documents are the input for the next Plant's process Design.

OIKOS S.r.l., thanks to its multi-disciplinary experience, can assist the customer to coordinate and develop all the tasks, including: pre-feasibility, process engineering, authorization engineering, investment forecast +/- 30% margin.

Front End Engineering Design (FEED)

The Front End Engineering Design is an intermediate stage, aiming to refining the project with a particular focus on cost control before the next phase of engineering detailed development.

OIKOS S.r.l. can assist the customer, detailing the project for: process engineering, authorization engineering, Investment forecast +/- 10% margin.

Project management (PM)

OIKOS S.r.l. provides project management services by managing the activities of back office and front office business, aimed at the analysis, design, planning and realization of the objectives of a project, managing it in all its characteristics and development stages, in compliance with precise constraints (time, costs, resources, goals, quality).

Research Development Prototyping (RDP)

This service is specifically dedicated to entities who want to explore new ideas (Product, Services or Processes).

OIKOS S.r.l. can provide you with three steps of engineering R&D&P support:
1) create a detailed feasibility study with risk analysis, technical-financial critical points,
2) design and grow the concept from just being a feasible idea in your mind, to a documented and fully operational prototype
3) analyze and report the potential integration of the Idea in your business.

Detail Engineering (DE)

Detail Engineering (DE) is the implementation phase of a project during which is developed an integrated set of documents, covering all technical disciplines (ie: civil, mechanical, piping, electrical, instrumentation, automation) to allow, together with the availability of equipment and materials, the organization of shipyard the performance of installation activities and Pre-Commissioning.

OIKOS S.r.l. can assist the customer and develop with an appropriate degree of detail this skills.

Civil & Structures: General foundations plan, construction drawings foundations and footings, plan underground networks (sewage, cable, fire), single-wire sizing metal structures, MTO (Material Take Off) calculation reports stamped and signed by an engineer registered.

Piping: general layout plan, equipment available (plant and sections), plant distribution areas, piping assembly areas, lines list (process and service), tie-ins list, isometric, supports, stress-analysis, MTO (Material Take Off).

Electrical: single-line diagram facility, single-line diagram switchboards, interconnection diagrams, floorplans cable routes, plans electric cabins and control room, floor plans of grounding system and protection system against lightning, F.M plans, plans special systems, tables electric cables, electrical calculations.

Instrumental: single-line diagram power tools and PLC, interlocks patterns and sequences, switchboards typical primary connections, selection tools, layout tools and route cables, lay-out and local control room panels, loops tires, electronic loops and wiring diagram, terminal cabinets, analyzers, junction boxes, cable table, mounting materials lists.

EXPERIENCES

The main references of the founding members concern activities carried out in the pharma petrochemical - oil & gas, Renewable Energies and Vertical Wind Tunnels for human flight sectors.

Pharma

Lactulose syrup and crystal production
Production of hyaluronic acid by fermentation and extraction method
Production of vaccines and injectable

Petrochemical - Oil&Gas (upstream-downstream)

Contract management maintenance multidisciplinary engineering for Eni Spa (Italy)
Development of process engineering for Eni Spa (Italy).

Renewable Energies

Photovoltaic system design at ENI Power Brindisi (Italy)

EXPERIENCES

The main references of the founding members concern activities carried out in the pharma petrochemical - oil & gas, Renewable Energies and Vertical Wind Tunnels for human flight sectors.

Vertical Wind Tunnels

The vertical wind tunnel (or free fall simulator) is a machine capable of creating an upstream of air so powerful that it can sustain a human body.
This involve skills like CFD design and analysis, structural design, material behaviour, installation process and control of the tolerance

Circular Economy

Engineering Detail for production plant of a biobased, biodegradable and compostable polymer obtained from biomass derived from natural waste (such as sugar cane, wheat, corn).
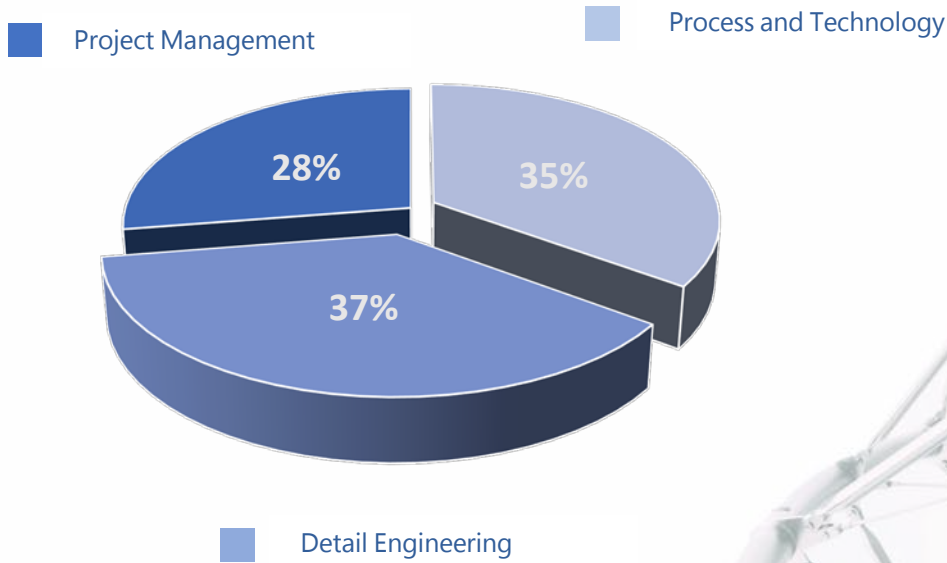
Enviroment

Taranto port Decarbonization Feasibility Study according to The Port Environmental Energy Plan (PEAP)

WORK FORCE

Work Force 18.000 h/year

Project Management — 28%
Process and Technology — 35%
Detail Engineering — 37%

Project Management

Project Management Activities consisting of:

- Contractual documents re-examination & endorsement
- Project Planning
- Project Control
- Multidisciplinary reviews of project documents
- Vendor follow up

For Multidiscipline Engineering Projects a fully dedicated Task Force is appointed.
A Nominated Project Manager, reporting to the Operation Director, coordinates the activities.

Process and Technology

Project Management Activities consisting of:

- Contractual documents re-examination & endorsement
- Project Planning
- Project Control
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Detail Engineering

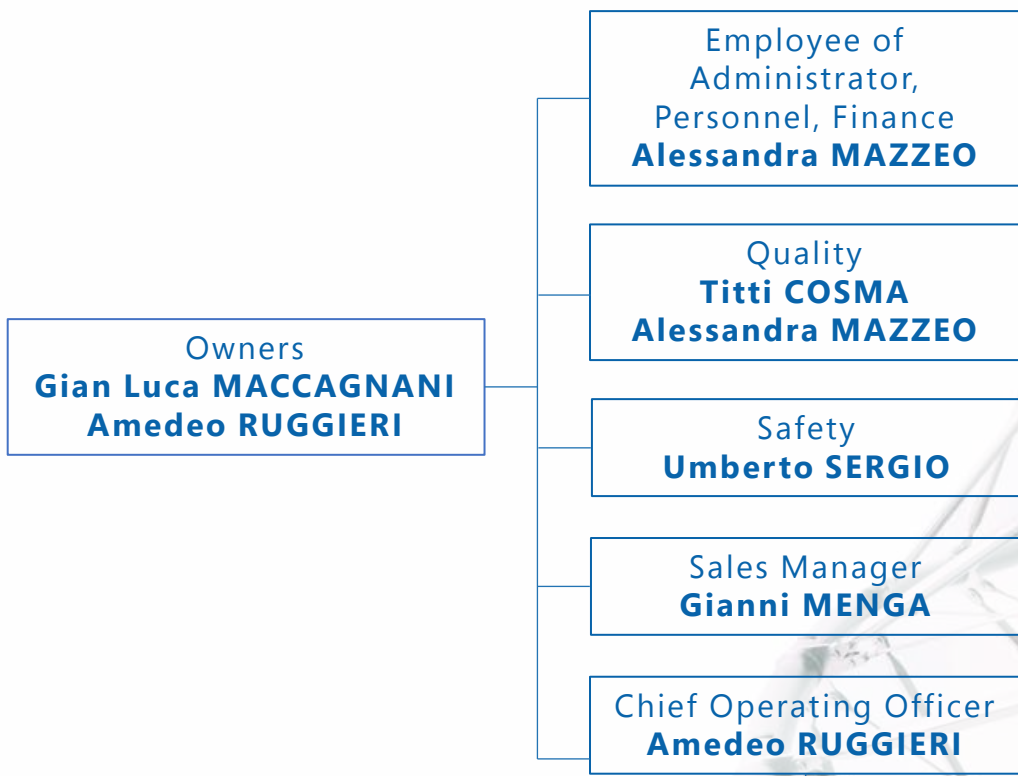Project Management Activities consisting of:

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ORGANIZATION CHART

Owners
Gian Luca MACCAGNANI
Amedeo RUGGIERI

Employee of Administrator, Personnel, Finance
Alessandra MAZZEO

Quality
Titti COSMA
Alessandra MAZZEO

Safety
Umberto SERGIO

Sales Manager
Gianni MENGA

Chief Operating Officer
Amedeo RUGGIERI

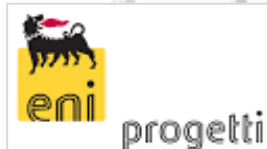Process Engineering
Gian Luca MACCAGNANI

Basic & Detail Engineering:
Civil & Structures
Feasibility Study
Method Engineering
Mechanical Engineering
Piping/PED
Amedeo RUGGIERI

Construction Activities
Follow-up,
Mechanical Completion,
Pre-commissioning,
Commissioning.
Disciplines: Civil,
Structures, Piping,
Mechanical, Ele. & Instr.
Gian Luca MACCAGNANI

CUSTOMER FOUNDER'S REFERENCES

AEREON — A CIMARRON COMPANY

SIMECO ENGINEERS & CONTRACTORS

EXPERTISE group

Sk Skem@ s.r.l. Industrial Solutions

ITALVECO SRL WATER TECHNOLOGIES

SODAI CIRCULAR INNOVATION

PPC power project consulting

PROGER

VOMM

SEA S.R.L. SERVIZI ECOLOGICI AMBIENTALI

END USER FOUNDER'S REFERENCES

ATS

eni.com

fidia

SAIPEM

Autorità di Sistema Portuale del Mar Ionio - Porto di Taranto

eni power

LafargeHolcim

SANOFI

Baker Hughes

eni progetti

LEONARDO

SARAS

enel

eni syndial servizi ambientali

lyondellbasell Advancing Possible

EarthBi Italian innovative Biotech

eni versalis

MARINA MILITARE

edison Fenice

Eurospital Innovation for living better

META ENERGIA

- Autocad

- ESAPRO

- Cesar II

- Office 365

- Pipe Flow

- Project;

- Smart Plant 3D

- Solid Works

- Tekla

- EnExSys

- SAP2000