



## Engineering & Consulting

Company profile

2025



# P&W Global

## Engineering in Sustainable Solutions

P&W Global is an engineering company specializing in the development of renewable energy and green economy projects.

The head quarter is in Poland and technical offices are in Poland, Italy, Oman.

His background is especially consolidated in the field of photovoltaic, wind power plants and in the energy recovery from waste treatment.

Anyway P&W Global has great experience in other primary sectors of civil engineering: infrastructures, tunnels, dams, ports, motorways, water & sewerages, etc.

It works with the most important international players, on behalf of which it has developed significant projects of wind, photovoltaic, waste treatment, market analysis, regional and national studies and planning for the use of renewable sources and for the management of urban waste.

In over 40 years of professional experience, have been consultants to public authorities in the green economy, green economy planning and circular economy sectors.

The engineering activity covers the entire range of civil and industrial design: from the preliminary-concept and basic design to the detailed design and construction project. For these activities, the best simulation, 2-D and 3D design, technical, process and structural calculation, BIM - Building Information Modeling and Project Management software are used.

## Fields Of Activities & Markets

P&W Global Group can provide a complete range of services in industrial and civil engineering (process, mechanical, electrical, piping, concrete and steel structures).

Our services include:

- Feasibility studies and cost benefits analysis
- Financial analysis end business planning
- Preliminary, basic and detailed engineering
- Complete project management
- Functional & technical specifications
- Commissioning, testing and start-up support
- Owner engineering, procurement, expediting, design review

P & W Global Group has significant experience in the design of plants for the treatment and production of energy from municipal, industrial, sanitary, food waste and for the production of energy from organic, vegetable and agro-industrial biomasses.

It also operates in the field from biogas to bio-methane upgrading and liquefaction of natural gas - LNG, and in the field of the production of bio-diesel from the transformation of organic substances and waste.



1



2



3



4



1 / Cyprus

3 / Italy

2 / Italy

4 / Mexico



1



2



4



3



5



6



1 / Argentina

2 / Italy

3 / Madagascar

4 / Italy

5 / Italy

6 / Costa Rica

## References

His references concern the following sectors and markets:

- Power Generation (conventional from fossil fuels)
- Non-Fossil Fuel Power Generation (Biomass - Waste - Waste to Energy plants)
- Renewable Resources
- Power Production (Photovoltaic - Hydro - Wind)
- Oil & Gas Power Generation
- Waste Treatment
- Desalination and Drinking water plants



1



3



2



4



1 / Sultanate of Oman

3 / Italy

2 / Italy

4 / Italy



## Civil engineering

Civil engineering is also among P&W services, including but not limited to the following:

- Roads And Railways
- Bridges
- Tunnels
- Slope stabilisation
- Dams
- Maritime Works
- Urban development
- Buildings
- Mep
- Water Supply
- Sewerage
- Renewable energy
- Landfills
- Drainage

## Renewable Energy and Waste Treatment Plants

In the field of Renewable Energy and Waste Treatment Plants & Energy Recovery from waste & biomasses, the Company has developed follows activities related to facilities around the world:

**1 /** 90 projects in the field of energy generation (thermal / electric) from non-fossil fuels, such as waste and biomass (preliminary, basic & final design; Pre-feasibility and Feasibility Study, Owner Engineering; Technical Assistance). Over 40 of these projects have developed analyzes and preliminary studies on the quantity, quality and availability of wastes & biomasses fuels.

**2 /** Whith over 1650 MW of operational projects in the renewable energy sector (photovoltaic, hydro and wind) and 1,8 GW in development across different markets, we are focused especially on the development, construction and operation of photovoltaic solar energy plants as well as its industrial and farming applications.

**3 /** Projects in the Oil & Gas and power generation sector, as debottlenecking Oil and gas exstraction, revamping of existing plant in accordance with legal requirements.

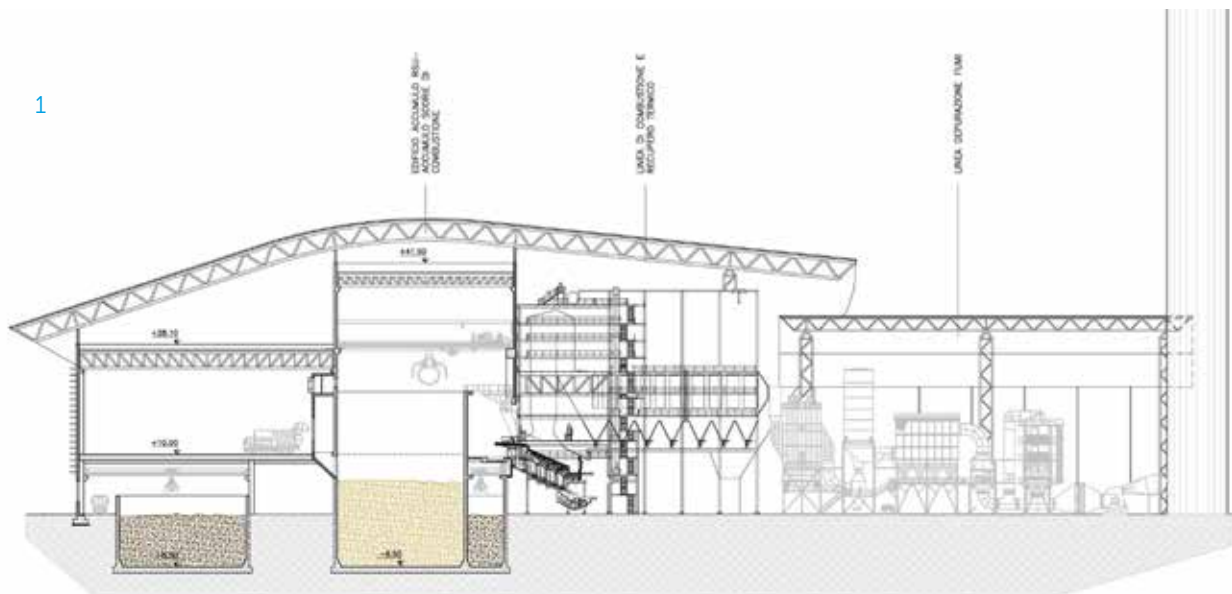
**4 /** Over 30 Waste Treatment projects (separation, sorting, recovery, aerobic com-posting, anaerobic digestion, sanitary landfill) with biogas energy recovery.

**5 /** 25 preliminary analysis projects and planning of integrated waste management systems (collection systems, treatment plants, energy management).

The waste and biomasses considered include all types of materials: municipal waste (mixed and organic), RDF, industrial, hazardous, agro-industrial, green and food waste, slaughter waste, zoo technical and chicken manure, sewage sludge, industrial sludge, landfill's leachate, recovery of separate waste collection materials.

The background of technical and scientific knowledge on waste treatment and energy recovery processes concerns the entire landscape of available technologies:

- Incineration of waste by combustion with grate furnaces, rotary kiln furnaces, fluidized bed, by means of pyrolysis, gasification
- All the best technologies of waste treatment systems: mechanical separation, sorting, classification and recycling systems and aerobic composting
- Anaerobic Digestion and Bio-methanisation systems of organic biomasses through dry, wet, semi-dry and semi-wet process
- Advanced systems for disposal in sanitary landfills and recovery of biogas





1



2



1 / Italy

2 / Italy

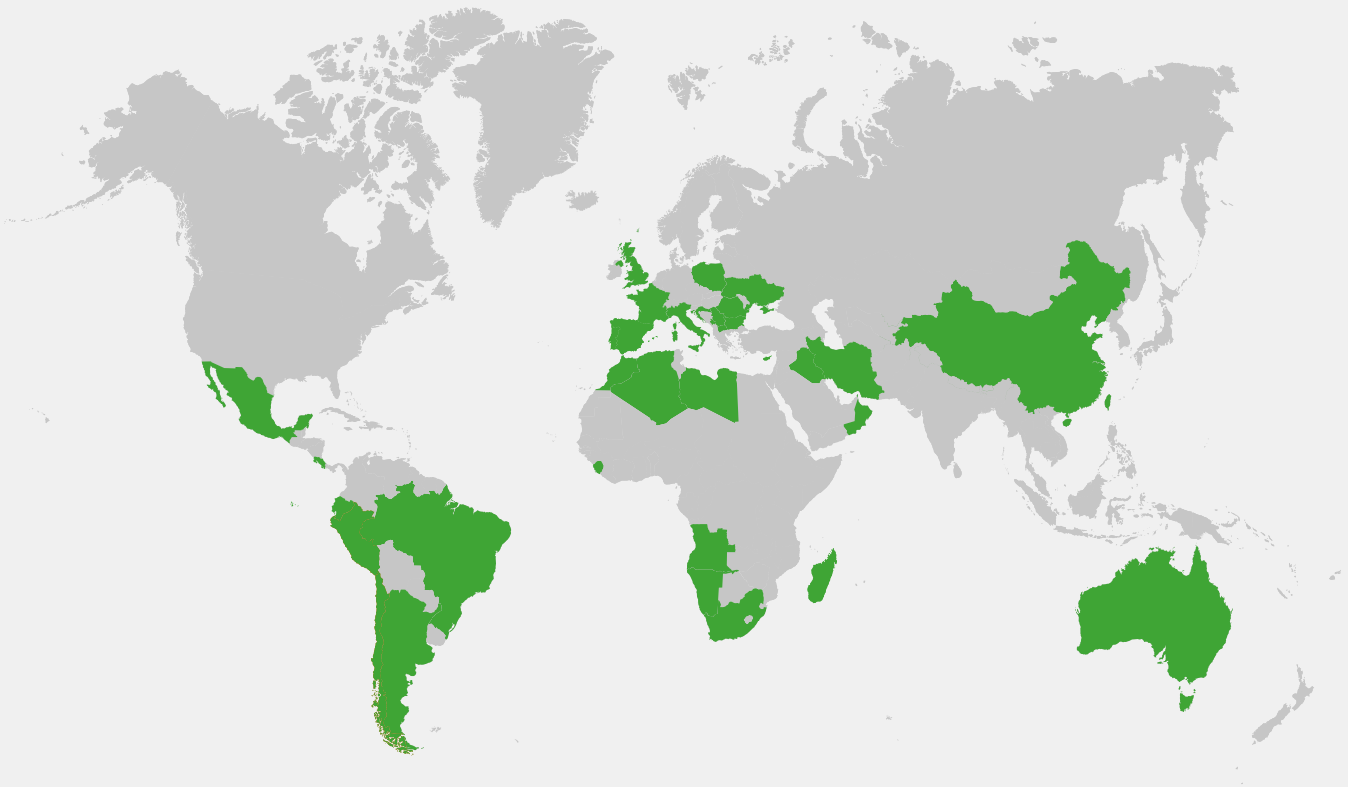
## The technical staff

The experts and professionals working for the P&W have a consolidated and in-depth experience in research and design: they are engineers and technicians with engineering degrees in the different specializations necessary to form integrated engineering staff: chemical, mechanical, electrical, electromechanical, processes, environmental, energy, civilians, instrumentalists, architects, economists, specialists in drawing 2 and 3D, piping, machining, site manager, etc.

The Company is able to provide complete performances of engineering, with 75.000 direct man-hours/year capacity in engineering e project control.

Moreover he is able to create and coordinate working groups of external designers and technicians.

The usual total capacity (engineering & project management) reaches 250.000 man-hours/year with external suppliers.





## Notes



[www.pw-global.com](http://www.pw-global.com)

[info@pw-global.com](mailto:info@pw-global.com)

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**SOPOT**

ul. Jana Sobieskiego, 4/6  
81-761 Sopot - POLAND

**MADRID**

Calle Joaquin Maria Lopez, 23 1 A  
28015 Madrid - SPAIN

**GENOVA**

Via San Luca, 15/4  
16123 Genova

**LUCCA**

Via Guglielmo Lippi-Francesconi, 1256  
55100 Lucca