

Reference List



industrial and environmental design

Industrial and Environmental Design

Smea engineering deals with industrial, environmental and civil plant design in Italy and abroad.

Smea Engineering S.r.l. counts on a team that for over 30 years offers a consulting and design service in industrial, environmental and civil engineering.

Over time, SMEA expanded the areas of expertise, specializing in the design of **Power Plants** (biogas and biomethane plant fed with OFMSW or agricultural waste, RDF or biomass thermoelectric power plants, wind power plants), water, sludge and fumes, **purification plants** and industrial plants such as tartaric acid and solvent recovery systems, up to **civil structures** such as sheds, tanks, condensers and reinforced concrete tanks.

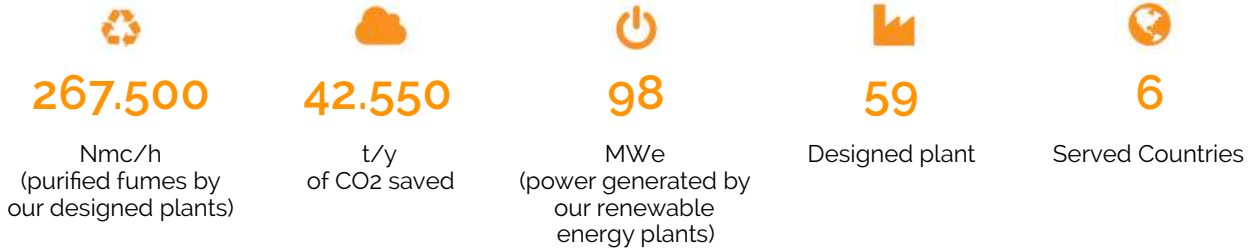
Our plants in the World

Smea Engineering operates both nationally and internationally



Our Results

With our job we helped to protect the environment



Smea Engineering is a "italian composting consortium" Member



Our main Clients

A list of some companies that decided to rely on Smea Engineering design and technology



Our References

A list of some of the most representative design by Smea Engineering subdivided by areas.
For more details visit smea-srl.com



thermal/
thermoelectric/
aeolian
power plants



biogas/
biomethane
plants



sludge and
water treatment



fumes
treatment



tartrate and
tartaric acid
production



other plants

59

typology — **Hospital waste to energy plant**

place — **Forlì (FC)**

customer — **Mengozzi s.p.a.**

electric power — **2,8 Mw**



58

typology — **Biomass and RDF thermal plant**

place — **Faenza (RA)**

customer — **Caviro Distillerie**

electric power — **13,7 Mw**



57

typology — **Biomass thermoelectric power plant serving drying ovens**

place — **Cortona (AR)**

customer — **Fattoria Autonoma Tabacchi**

thermal power — **2 x 2,32 MW**



56

typology — **Power generation plant from wind turbines**

place — **Cocullo (AQ)**

customer — **Gamesa**

electric power — **35,7 MW**



55

typology — Biomass thermoelectric power plant

place — Cisterna di Latina (LT)

customer — Paoil

electric power — 13 Mw



54

typology — Biomass thermoelectric power plant

place — Mafalda (CB)

customer — Dafin s.p.a.

electric power — 13 Mw



53

typology — Biomass thermoelectric power plant

place — Anagni (FR)

customer — Bonollo Energia s.p.a.

electric power — 13 Mw



52

typology — Biogas cogeneration plant from agro-food waste

place — Faenza (RA)

customer — Caviro Distillerie

electric power — 999 kW



51

typology — Biogas cogeneration plant from corn silage

place — San Giovanni in Persiceto (BO)

customer — Tozzi Tre

electric power — 999 kW



50

typology — Biogas cogeneration plant from OFMSW and agricultural products

place — Quistello (MT)

customer — Società Agricola La Collinetta (Mantova Agricoltura)

electric power — 999 kW



49

typology — **Biogas cogeneration plant from agricultural products**

place — **Giove (PG)**

customer — **F.A.T**

electric power — **999 kW**



48

typology — **Biogas cogeneration plant from agricultural products**

place — **Trestina (PG)**

customer — **Consorzio Cooperativo Virginia Trade**

electric power — **999 kW**



47

typology — **Biogas cogeneration plant from agricultural products**

place — **Montepulciano (SI)**

customer — **Società Agricola Green Way s.r.l.**

electric power — **999 kW**



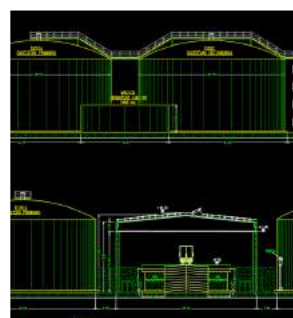
46

typology — **Biogas cogeneration plant from corn silage and animal slurry**

place — **Romania**

customer — **Ro.Agro.Ital Buzau**

electric power — **4 x 1.063 kW**



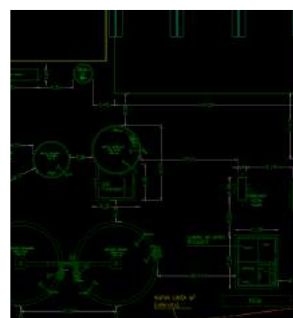
45

typology — **Biogas cogeneration plant from agricultural products**

place — **Fossato di Rodigo (MT)**

customer — **Toffoli**

electric power — **999 kW**



44

typology — **Biogas cogeneration plant from distillery stillage**

place — **Barcellona, Spagna**

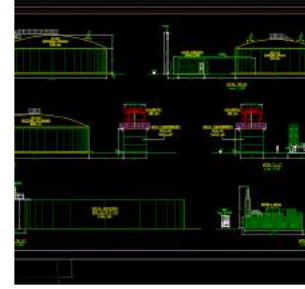
customer — **Distillerie Cades Penedés**

electric power — **700 kW**



43

typology — **Biogas cogeneration plant from corn silage**
 place — **Perugia (PG)**
 customer — **Opere Pie**
 electric power — **999 kW**



42

typology — **Biogas cogeneration plant from corn silage**
 place — **Coppa Osimo (AN)**
 customer — **GREENFARM**
 electric power — **999 kW**



41

typology — **Biogas cogeneration plant from wastewater treatment**
 place — **Canada**
 customer — **R.A.E.B.L. Régie d'Assainissement des Eaux du Bassin de La Prairie**
 electric power — **195 mc/h**



40

typology — **Biogas cogeneration plant from distillery stillage**
 place — **Padova (PD)**
 customer — **Bonollo Conselve**
 electric power — **625 kW**



39

typology — **Biogas cogeneration plant from distillery stillage**
 place — **Daimiel (ciudad Real), Spagna**
 customer — **ALVINESA Extramuros s/n**
 electric power — **1030 kW**



38

typology — **Biogas cogeneration plant from vegetal biomass**
 place — **Lanciano (CH)**
 customer — **A.T.A. energia soc. agricola s.r.l.**
 electric power — **998 kW**



37

typology — **Biogas cogeneration plant from distillery waste**

place — **Lokoja in Nigeria**

customer — **Ecotrade s.a.**

electric power — **1030 kW**



36

typology — **Biogas cogeneration plant from vegetable and animal biomass**

place — **Pezzaviva (BR)**

customer — **Società agricola Pezzaviva nuova s.s.**

electric power — **100 kW**



35

typology — **Biogas cogeneration plant from distillery stillage**

place — **Anagni (FR)**

customer — **Distillerie Bonollo s.p.a.**

electric power — **2 x 835 kW**



34

typology — **Biogas cogeneration plant from distillery stillage**

place — **Torrita di Siena (SI)**

customer — **Distillerie Bonollo s.p.a.**

electric power — **625 kW**



33

typology — **Biogas cogeneration plant from distillery stillage**

place — **Ortona (CH)**

customer — **Distilleria D'Auria s.p.a.**

electric power — **844 kW**



32

typology — **Biogas cogeneration plant from distillery stillage**

place — **Barberino Val D'Elsa (FI)**

customer — **D.E.T.A. Distillerie s.r.l.**

electric power — **625 kW**



31

typology — **Biogas cogeneration plant from distillery stillage**

place — **Sant'Agata sul Santerno (RA)**

customer — **Distillerie Mazzari S.p.a.**

electric power — **2 x 1131 kW**



30

typology — **Biogas cogeneration plant from civil waste sludge**

place — **Santa Giustina (RN)**

customer — **Gruppo HERA**

electric power — **526 kW**



29

typology — **Biogas cogeneration plant from distillery stillage**

place — **Santiago (Cile)**

customer — **Industrias Vinicas S.r.l.**

electric power — **999 kW**



28

typology — **Biogas cogeneration plant from distillery stillage**

place — **Ponte Valleceppi (PG)**

customer — **Distillerie Di Lorenzo**

electric power — **990 kW**



27

typology — **Biogas cogeneration plant from distillery stillage**

place — **Borgoricco (PD)**

customer — **Distilleria Bertolino**

electric power — **1000 kW**



26

typology — **By-product treatment plant for the production of biomethane**

place — **Foggia**

customer — **FAS Energas**

biomethane flow rate — **300 mc/h**



25

typology — **By-product, skins and slurries treatment plant for the production of biomethane**

place — **Modena (MO)**

customer — **Novogas srl**

biomethane flow rate — **500 mc/h**



24

typology — **OFMSW treatment plant for the production of biomethane**

place — **Artena (RM)**

customer — **Green Park**

biomethane flow rate — **500 mc/h**



23

typology — **By-product and slurries treatment plant for the production of biomethane**

place — **Nocera Superiore (SA)**

customer — **G.E.A. s.r.l.**

biomethane flow rate — **500 mc/h**



22

typology — **OFMSW treatment plant for the production of biomethane**

place — **Gallura di Olbia**

customer — **CIPNES**

biomethane flow rate — **300 mc/h**



21

typology — **Waste water treatment plant**

place — **Santiago, Chile**

customer — **Distillerie Vinicas**

treatment capacity — **2.000 mc/d**



20

typology — **Distillery waste water treatment plant**

place — **Sant'Agata sul Santerno (RA)**

customer — **Distillerie Mazzari**

treatment capacity — **2400 mc/d**



19

typology — Distillery waste water treatment plant

place — Faenza (RA)

customer — Distillerie Caviro

treatment capacity — 3500 mc/d



18

typology — Distillery waste water treatment plant
optimization

place — Cisterna di Latina (LT)

customer — Paoil S.p.a.

treatment capacity — 1920 mc/d



17

typology — Distillery waste water treatment plant

place — Marsala (TP)

customer — Trapas s.r.l.

treatment capacity — 600 mc/d



16

typology — Waste water treatment plant

place — Barcellona, Spagna

customer — Distillerie Cades Penedés

treatment capacity — 1.000 mc/d



15

typology — Aerobic plant implantation and
refurbishment after anaerobic digestion

place — Torrita di Siena (SI)

customer — Distillerie Bonollo s.p.a.

treatment capacity — 500 mc/d



14

typology — Fume washing water treatment plant

place — Castelfiorentino (FI)

customer — Italcòl s.p.a.

treatment capacity — 500 mc/d



13

typology — **Sludge treatment plant with anaerobic digestion**

place — **Rimini (RN)**

customer — **Gruppo Hera S.p.a.**

treatment capacity — **630 mc/d**



12

typology — **Smoke treatment plant with Simatech filters, catalytic den and wet electrofilters**

place — **Forlì (FC)**

customer — **Mengozzi s.p.a.**

fumes flow — **42000 Nmc/h**



11

typology — **Smoke treatment plant with wet electrofilter**

place — **Cisterna di Latina (LT)**

customer — **Paoil S.p.a.**

fumes flow — **90000 Nmc/h**



10

typology — **Smoke treatment plant with wet electrofilter**

place — **Valenzano (BA)**

customer — **Distilleria Balice**

fumes flow — **45000 Nmc/h**



9

typology — **Smoke treatment plant with wet electrofilter**

place — **Ortona (CH)**

customer — **Distillerie D'Auria**

fumes flow — **45000 Nmc/h**



8


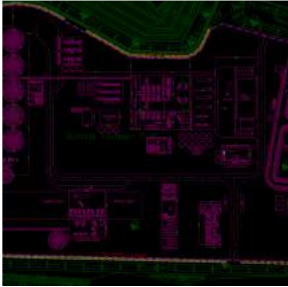
typology — **Smoke treatment plant with wet electrofilter**

place — **Marsala (TP)**

customer — **Trapas s.r.l.**

fumes flow — **45500 Nmc/h**



7	<p>typology — Tartrate production plant</p> <p>place — Barcellona, Spagna</p> <p>customer — Distillerie Cades Penedés</p> <p>tartrate production — 2.600 Kg/h</p>	
6	<p>typology — Tartrate production plant</p> <p>place — Santiago, Chile</p> <p>customer — Distillerie Vinicas</p> <p>tartrate production — 2.600 Kg/h</p>	
5	<p>typology — Tartrate and tartaric acid production plant</p> <p>place — Sant'Agata sul Santerno (RA)</p> <p>customer — Distillerie Mazzari</p> <p>tartaric acid production: 20 t/d</p> <p>tartrate production — 40 t/d</p>	
4	<p>typology — Solvent recovery plant</p> <p>place — Rep. San Marino (RSM)</p> <p>customer — SIT Group s.p.a.</p>	
3	<p>typology — Organic waste treatment plant</p> <p>place — Cina</p> <p>customer — Guangzhou</p> <p>electric power — 4 x 3 MWe</p>	
2	<p>typology — Delocalisation of distillery establishments</p> <p>place — Partinico (PA)</p> <p>customer — Distilleria Bertolino</p> <p>raw material: marc, 50.000t/y, liquid scum 30.000 q/y.</p>	

1

typology — Plant for the production of biomass fuels,
green composted, vegetable and lignocellulosic waste

place — Faenza (RA)

customer — Enomondo

portata — 100 t/h





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