

Lists of currently collected cogeneration case studies

Status: 7th December 2010

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Currently collected case studies according to the region

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Nr.	Country	Name	Sector	Technology	Fuel	Capacity		Financing	City	Specialties
						MW _{el}	MW _{th}			
Eastern Europe										Back to main list
1	Poland	CHP plant Siekierki	District heating	Steam turbine	Coal & Biomass	622	1.193	Own, loans	Warsaw	Retrofit of a district heating CHP
2	Slovenia	Boarding school Novo mesto	Public sector	Gas engine	Natural gas	0,05	0,081	Own, loans	Novo mesto	Huge heating potential in public sector
3	Czech Republic	Block of flats Troja	Residential sector	Gas engine	Natural gas	0,3	0,45	Own, investment subsidy	Prague	CHP output power regulated according to the electricity consumption
Northern Europe										Back to main list
1	Belgium	Belgomilk Langemark	Food and beverage	Gas turbine	Natural gas & Biogas	7,35	13,8	Own, loans	Langemark	Heat entirely used in a dairy plant
2	United Kingdom	Museum of Liverpool	Public sector	Gas & biodiesel engine	Natural gas & Biodiesel	2,3	2,4	TPF, contracting	Liverpool	New building, TPF
3	Ireland	Trigeneration	Manufacturing	Gas engine	Natural gas	2,95	2,05	Own	-	Trigeneration
4	Denmark	Snedsted Sarmveark	District heating	Gas engine	Natural gas	3,047	4,075	Own	Snedsted	Retrofit of a district heating CHP
5	Ireland	Baillieboro CHP plant, Lakeland Dairies	Food and beverage	Gas turbine	Natural gas	5	18,5	TPF	Baillieborough	Problems with connection to the grid
6	Belgium	Hotel Crowne Plaza	Hospitality sector	Gas engine	Natural gas	0,14	0,207	Own	Brussels	Extension of a boiler room

Nr.	Country	Name	Sector	Technology	Fuel	Capacity		Financing	City	Specialties
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7	United Kingdom	De Clare Court, Haverfordwest	Residential sector	Gas engine	Natural gas	0,011	0,025	Own	Haverfordwest	New building with flats for older people
8	Belgium	Dow Corning	Production	Gas engine	Natural gas	1	1,2	Contracting	Brussels	Electricity & heat used on-site only
9	Belgium	Ecopower	Public sector	Biofuel engine	Rapeseed oil	0,25	0,257	TPF	Eeklo	Administration building
10	Belgium	Docent Katholieke Hogeschool Kempen, "Hortipower"	Education	Gas engine	Natural gas	8,6	9,542	Loans	Geel	Greenhouse heating, CO ₂ nutrition for tomato plants
11	Belgium	Mini CHP for e-mobility	Production	Gas engine	Natural gas	0,012	0,024	Own	Evergem	Demo CHP unit for charging electric cars
12	Belgium	Belgium supreme court house	Public sector	Gas engine	Natural gas	0,462	0,611	Contracting	Brussels	Renovation of a boiler room
13	United Kingdom	Pricewaterhouse Coopers, 7 More	Professional services	Biodiesel engine	Biodiesel	0,8	0,83	Own	London	Trigeneration, dual level system, first system of this kind in UK
14	United Kingdom	Royal Victoria Infirmary Energy Centre	Health sector	Gas engine	Natural gas	3,8	5,5	TPF	Newcastle-upon-Tyne	Renovation of a boiler room in a hospital
15	Belgium	Spa Monopole	Food and beverage	Gas engine	Natural gas	2	2,4	Own	Spa	CHP in a factory, change of technology for bottle washing machines
16	United Kingdom	Veolia Environmental Services, Sheffield District Energy Network	Waste management and recycling	Steam turbine	Municipal solid waste	21	40	Own	Sheffield	Heat used for district heating; high capital costs of the infrastructure are problem
17	Germany	Warsteiner Brauerei	Food and beverage	Gas engine	Natural gas	2,3	2,3	Own	Warstein	Electricity & heat used on-site only

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18	Finland	UPM Kymi Recovery Island	Pulp and paper	Steam turbine	Black liquor	110	630 t/h	Own, loans	Kuusankoski	Operation close to the zero carbon footprint
19	United Kingdom	Milton Keynes District Energy Network	District heating and cooling	Gas engine	Natural gas	6,094	6,346	Loans, TPF	Milton Keynes	District energy scheme – electricity, heating, hot water, cooling
20	Germany	MVR Rugenberger Damm Hamburg	Waste management	Steam turbine	Municipal solid waste	29	70	Own, KfW-loans	Hamburg	Production of electricity, district heat and process steam
South-Eastern Europe										Back to main list
1	Greece	CHP system in educational - athletic - conference facilities in Athens	Education	Gas engine	Natural gas	0,34	0,68	TPF	Athens	CHP installation with the aim to reduce energy consumption
2	Greece	Hotel Manthos	Hospitality sector	Gas engine	Liquid gas	0,0094	0,024	Own	Mountain Pilion	Replacement of the old boiler for sanitary hot water
3	Greece	Hotel Esperia	Hospitality sector	Gas engine	Natural gas	0,0047	0,012	Own	Thessaloniki	Replacement of the old boiler for sanitary hot water
4	Greece	Trigeneration at Mitera hospital	Health sector	Gas engine	Natural gas	0,49	0,89	Own, investment subsidy	Athens	First trigeneration ever installed in a Greek hospital
5	Cyprus	Andriana Biogas CHP Plant	Waste management + electricity production	Gas engine	Biogas	0,5	0,5	Own, loans	Xylotymbou	Use of waste from pig farm to minimize transportation costs + sale of electricity

Nr.	Country	Name	Sector	Technology	Fuel	Capacity		Financing	City	Specialties
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6	Greece	Aegean & Egnatia Hotels	Hospitality sector	Gas engine	Natural gas	0,04	0,086	Own, investment subsidy	Thessaloniki	CHP co-operates with solar collectors – among the first installations of this kind in Greece
7	Cyprus	Tersefanou Biogas CHP Plant	Waste management + electricity production	Gas engine	Biogas	0,5	0,5	Own, loans	Tersefanou	Use of waste from pig farm to minimize transportation costs + sale of electricity
8	Greece	Thermie Serres S.A.	District heating	Gas engine	Natural gas	16	16,92	Own, loans, investment subsidy	Serres	New district heating plant
9	Greece	Psyttalia	Wastewater treatment	Gas turbine	Natural gas	12,9	17,3	European funding	Psyttalia island	Heat is used entirely for drying the sludge, electricity covers most of the island's needs
South-Western Europe										Back to main list
1	Spain	Hospital Central de la Defensa 'Gomez Ulla'	Health sector	Gas engine	Natural gas	5,8	6,1	Own, loans	Madrid	Fully covered electric and heat demands of hospital + sale of electricity
2	Spain	Uipsa Cogeneration Plant	Paper production	Combined cycle	Natural gas	33	52,6 t/h	Loans	Barcelona	Replacement of the old CHP plant
3	Italy	Hypo Alpe Adria Trigeneration Plant	District heating and cooling	Gas engine	Natural gas	1,065	1,268	Own	Tavagnacco, Udine	Heat and cool for a residential area with several public and private buildings

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Industry										
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1	N Europe	Belgium	Belgomilk Langemark	Gas turbine	Natural gas & Biogas	7,35	13,8	Own, loans	Langemark	Heat entirely used in a dairy plant
2	N Europe	Belgium	Dow Corning	Gas engine	Natural gas	1	1,2	Contracting	Brussels	Electricity & heat used on-site only
3	N Europe	Belgium	Mini CHP for e-mobility	Gas engine	Natural gas	0,012	0,024	Own	Evergem	Demo CHP unit for charging electric cars
4	N Europe	Belgium	Spa Monopole	Gas engine	Natural gas	2	2,4	Own	Spa	CHP in a factory, change of technology for bottle washing machines
5	N Europe	Finland	UPM Kymi Recovery Island	Steam turbine	Black liquor	110	630 t/h	Own, loans	Kuusankoski	Operation close to the zero carbon footprint
6	N Europe	Germany	Warsteiner Brauerei	Gas engine	Natural gas	2,3	2,3	Own	Warstein	Electricity & heat used on-site only
7	N Europe	Ireland	Trigeneration	Gas engine	Natural gas	2,95	2,05	Own	-	Trigeneration
8	N Europe	Ireland	Bailieboro CHP plant, Lakeland Dairies	Gas turbine	Natural gas	5	18,5	TPF	Bailieborough	Problems with connection to the grid
9	SW Europe	Spain	Uipsa Cogeneration Plant	Combined cycle	Natural gas	33	52,6 t/h	Loans	Barcelona	Replacement of the old CHP plant

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Waste management										Back to main list
1	SE Europe	Cyprus	Andriana Biogas CHP Plant	Gas engine	Biogas	0,5	0,5	Own, loans	Xylymbou	Use of waste from pig farm to minimize transportation costs + sale of electricity
2	SE Europe	Cyprus	Tersefanou Biogas CHP Plant	Gas engine	Biogas	0,5	0,5	Own, loans	Tersefanou	Use of waste from pig farm to minimize transportation costs + sale of electricity
3	N Europe	Germany	MVR Rugenberger Damm Hamburg	Steam turbine	Municipal solid waste	29	70	Own, KfW-loans	Hamburg	Production of electricity, district heat and process steam
4	SE Europe	Greece	Psyttalia	Gas turbine	Natural gas	12,9	17,3	European funding	Psyttalia island	Heat is used entirely for drying the sludge, electricity covers most of the island's needs
5	N Europe	United Kingdom	Veolia Environmental Services, Sheffield District Energy Network	Steam turbine	Municipal solid waste	21	40	Own	Sheffield	Heat used for district heating; high capital costs of the infrastructure are problem
District heating										Back to main list
1	N Europe	Denmark	Snedsted Sarmeveark	Gas engine	Natural gas	3,047	4,075	Own	Snedsted	Retrofit of a district heating CHP
2	SE Europe	Greece	Thermie Serres S.A.	Gas engine	Natural gas	16	16,92	Own, loans, investment subsidy	Serres	New district heating plant

Nr.	Region	Country	Name	Technology	Fuel	Capacity		Financing	City	Specialties
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3	SW Europe	Italy	Hypo Alpe Adria Trigenration Plant	Gas engine	Natural gas	1,065	1,268	Own	Tavagnacco, Udine	Heat and cool for a residential area with several public and private buildings
4	E Europe	Poland	CHP plant Siekierki	Steam turbine	Coal & Biomass	622	1.193	Own, loans	Warsaw	Retrofit of a district heating CHP
5	N Europe	United Kingdom	Milton Keynes District Energy Network	Gas engine	Natural gas	6,094	6,346	Loans, TPF	Milton Keynes	District energy scheme – electricity, heating, hot water, cooling
Public sector										Back to main list
1	N Europe	Belgium	Ecopower	Biofuel engine	Rapeseed oil	0,25	0,257	TPF	Eeklo	Administration building
2	N Europe	Belgium	Belgium supreme court house	Gas engine	Natural gas	0,462	0,611	Contracting	Brussels	Renovation of a boiler room
3	E Europe	Slovenia	Boarding school Novo mesto	Gas engine	Natural gas	0,05	0,081	Own, loans	Novo mesto	Huge heating potential in public sector
4	N Europe	United Kingdom	Museum of Liverpool	Gas & biodiesel engine	Natural gas & Biodiesel	2,3	2,4	TPF, contracting	Liverpool	New building, TPF
Health sector										Back to main list
1	SE Europe	Greece	Trigenration at Mitera hospital	Gas engine	Natural gas	0,49	0,89	Own, investment subsidy	Athens	First trigeneration ever installed in a Greek hospital
2	SW Europe	Spain	Hospital Central de la Defensa 'Gomez Ulla'	Gas engine	Natural gas	5,8	6,1	Own, loans	Madrid	Fully covered electric and heat demands of hospital + sale of electricity
3	N Europe	United Kingdom	Royal Victoria Infirmary Energy Centre	Gas engine	Natural gas	3,8	5,5	TPF	Newcastle-upon-Tyne	Renovation of a boiler room in a hospital

Nr.	Region	Country	Name	Technology	Fuel	Capacity		Financing	City	Specialties
						MW _{el}	MW _{th}			
Education										Back to main list
1	N Europe	Belgium	Docent Katholieke Hogeschool Kempen, "Hortipower"	Gas engine	Natural gas	8,6	9,542	Loans	Geel	Greenhouse heating, CO ₂ nutrition for tomato plants
2	SE Europe	Greece	CHP system in educational - athletic - conference facilities in Athens	Gas engine	Natural gas	0,34	0,68	TPF	Athens	CHP installation with the aim to reduce energy consumption
Other services										Back to main list
1	N Europe	Belgium	Hotel Crowne Plaza	Gas engine	Natural gas	0,14	0,207	Own	Brussels	Extension of a boiler room
2	SE Europe	Greece	Hotel Manthos	Gas engine	Liquid gas	0,0094	0,024	Own	Mountain Pilio	Replacement of the old boiler for sanitary hot water
3	SE Europe	Greece	Hotel Esperia	Gas engine	Natural gas	0,0047	0,012	Own	Thessaloniki	Replacement of the old boiler for sanitary hot water
4	SE Europe	Greece	Aegean & Egnatia Hotels	Gas engine	Natural gas	0,04	0,086	Own, investment subsidy	Thessaloniki	CHP co-operates with solar collectors – among the first installations of this kind in Greece
5	N Europe	United Kingdom	Pricewaterhouse Coopers, 7 More	Biodiesel engine	Biodiesel	0,8	0,83	Own	London	Trigeneration, dual level system, first system of this kind in UK

Nr.	Region	Country	Name	Technology	Fuel	Capacity		Financing	City	Specialties
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Residential sector										Back to main list
1	E Europe	Czech Republic	Block of flats Troja	Gas engine	Natural gas	0,3	0,45	Own, investment subsidy	Prague	CHP output power regulated according to the electricity consumption
2	N Europe	United Kingdom	De Clare Court, Haverfordwest	Gas engine	Natural gas	0,011	0,025	Own	Haverfordwest	New building with flats for older people

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Nr.	Region	Country	Name	Sector	Fuel	Capacity		Financing	City	Specialties
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Gas engine										
										Back to main list
1	N Europe	Belgium	Hotel Crowne Plaza	Hospitality sector	Natural gas	0,14	0,207	Own	Brussels	Extension of a boiler room
2	N Europe	Belgium	Dow Corning	Production	Natural gas	1	1,2	Contracting	Brussels	Electricity & heat used on-site only
3	N Europe	Belgium	Docent Katholieke Hogeschool Kempen, "Hortipower"	Education	Natural gas	8,6	9,542	Loans	Geel	Greenhouse heating, CO ₂ nutrition for tomato plants
4	N Europe	Belgium	Mini CHP for e-mobility	Production	Natural gas	0,012	0,024	Own	Evergem	Demo CHP unit for charging electric cars
5	N Europe	Belgium	Belgium supreme court house	Public sector	Natural gas	0,462	0,611	Contracting	Brussels	Renovation of a boiler room
6	N Europe	Belgium	Spa Monopole	Food and beverage	Natural gas	2	2,4	Own	Spa	CHP in a factory, change of technology for bottle washing machines
7	SE Europe	Cyprus	Andriana Biogas CHP Plant	Waste management + electricity production	Biogas	0,5	0,5	Own, loans	Xylotymbou	Use of waste from pig farm to minimize transportation costs + sale of electricity

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8	SE Europe	Cyprus	Tersefanou Biogas CHP Plant	Waste management + electricity production	Biogas	0,5	0,5	Own, loans	Tersefanou	Use of waste from pig farm to minimize transportation costs + sale of electricity
9	E Europe	Czech Republic	Block of flats Troja	Residential sector	Natural gas	0,3	0,45	Own, investment subsidy	Prague	CHP output power regulated according to the electricity consumption
10	N Europe	Denmark	Snedsted Sarmveark	District heating	Natural gas	3,047	4,075	Own	Snedsted	Retrofit of a district heating CHP
11	N Europe	Germany	Warsteiner Brauerei	Food and beverage	Natural gas	2,3	2,3	Own	Warstein	Electricity & heat used on-site only
12	SE Europe	Greece	CHP system in educational - athletic - conference facilities in Athens	Education	Natural gas	0,34	0,68	TPF	Athens	CHP installation with the aim to reduce energy consumption
13	SE Europe	Greece	Hotel Esperia	Hospitality sector	Natural gas	0,0047	0,012	Own	Thessaloniki	Replacement of the old boiler for sanitary hot water
14	SE Europe	Greece	Trigeneration at Mitera hospital	Health sector	Natural gas	0,49	0,89	Own, investment subsidy	Athens	First trigeneration ever installed in a Greek hospital
15	SE Europe	Greece	Aegean & Egnatia Hotels	Hospitality sector	Natural gas	0,04	0,086	Own, investment subsidy	Thessaloniki	CHP co-operates with solar collectors – among the first installations of this kind in Greece

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18	N Europe	Ireland	Trigeneration	Manufacturing	Natural gas	2,95	2,05	Own	-	Trigeneration
19	SW Europe	Italy	Hypo Alpe Adria Trigeneration Plant	District heating and cooling	Natural gas	1,065	1,268	Own	Tavagnacco, Udine	Heat and cool for a residential area with several public and private buildings
20	E Europe	Slovenia	Boarding school Novo mesto	Public sector	Natural gas	0,05	0,081	Own, loans	Novo mesto	Huge heating potential in public sector
21	SW Europe	Spain	Hospital Central de la Defensa 'Gomez Ulla'	Health sector	Natural gas	5,8	6,1	Own, loans	Madrid	Fully covered electric and heat demands of hospital + sale of electricity
22	N Europe	United Kingdom	Museum of Liverpool	Public sector	Natural gas & Biodiesel	2,3	2,4	TPF, contracting	Liverpool	New building, TPF
23	N Europe	United Kingdom	De Clare Court, Haverfordwest	Residential sector	Natural gas	0,011	0,025	Own	Haverfordwest	New building with flats for older people
24	N Europe	United Kingdom	Royal Victoria Infirmary Energy Centre	Health sector	Natural gas	3,8	5,5	TPF	Newcastle-upon-Tyne	Renovation of a boiler room in a hospital
25	N Europe	United Kingdom	Milton Keynes District Energy Network	District heating and cooling	Natural gas	6,094	6,346	Loans, TPF	Milton Keynes	District energy scheme – electricity, heating, hot water, cooling

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Steam turbine										
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Biofuel engine										
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Combined cycle										Back to main list
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RES										Back to main list
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Nr.	Region	Country	Name	Sector	Technology	Capacity		Financing	City	Specialties
						MW _{el}	MW _{th}			
3	SE Europe	Cyprus	Tersefanou Biogas CHP Plant	Waste management + electricity production	Gas engine	0,5	0,5	Own, loans	Tersefanou	Use of waste from pig farm to minimize transportation costs + sale of electricity
4	N Europe	Finland	UPM Kymi Recovery Island	Pulp and paper	Steam turbine	110	630 t/h	Own, loans	Kuusankoski	Operation close to the zero carbon footprint
5	N Europe	United Kingdom	Pricewaterhouse Coopers, 7 More	Professional services	Biodiesel engine	0,8	0,83	Own	London	Trigeneration, dual level system, first system of this kind in UK
Mixture of fossil fuels and RES										Back to main list
1	N Europe	Belgium	Belgomilk Langemark	Food and beverage	Gas turbine	7,35	13,8	Own, loans	Langemark	Heat entirely used in a dairy plant
2	E Europe	Poland	CHP plant Siekierki	District heating	Steam turbine	622	1.193	Own, loans	Warsaw	Retrofit of a district heating CHP
3	N Europe	United Kingdom	Museum of Liverpool	Public sector	Gas & Biodiesel engine	2,3	2,4	TPF, contracting	Liverpool	New building, TPF
Others										Back to main list
1	N Europe	Germany	MVR Rugenberger Damm Hamburg	Waste management	Steam turbine (Municipal solid waste)	29	70	Own, KfW-loans	Hamburg	Production of electricity, district heat and process steam
2	N Europe	United Kingdom	Veolia Environmental Services, Sheffield District Energy Network	Waste management and recycling	Steam turbine (Municipal solid waste)	21	40	Own	Sheffield	Heat used for district heating; high capital costs of the infrastructure are problem

Nr.	Region	Country	Name	Sector	Technology	Capacity		Financing	City	Specialties
						MW _{el}	MW _{th}			
3	SE Europe	Greece	Hotel Manthos	Hospitality sector	Gas engine (Liquid gas)	0,0094	0,024	Own	Mountain Pilion	Replacement of the old boiler for sanitary hot water

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Currently collected case studies according to the size

Status: 7th December 2010

Nr.	Region	Country	Name	Sector	Technology	Fuel	Capacity		Financing	City	Specialties
							MW _{el}	MW _{th}			
Micro CHP (< 50 kW_{el})											Back to main list
1	SE Europe	Greece	Hotel Esperia	Hospitality sector	Gas engine	Natural gas	0,0047	0,012	Own	Thessaloniki	Replacement of the old boiler for sanitary hot water
2	SE Europe	Greece	Hotel Manthos	Hospitality sector	Gas engine (Liquid gas)	Liquid gas	0,0094	0,024	Own	Mountain Pilion	Replacement of the old boiler for sanitary hot water
3	N Europe	United Kingdom	De Clare Court, Haverfordwest	Residential sector	Gas engine	Natural gas	0,011	0,025	Own	Haverfordwest	New building with flats for older people
4	N Europe	Belgium	Mini CHP for e-mobility	Production	Gas engine	Natural gas	0,012	0,024	Own	Evergem	Demo CHP unit for charging electric cars
5	SE Europe	Greece	Aegean & Egnatia Hotels	Hospitality sector	Gas engine	Natural gas	0,04	0,086	Own, investment subsidy	Thessaloniki	CHP co-operates with solar collectors – among the first installations of this kind in Greece
Small CHP (50 kW_{el} ≤ size < 1 MW_{el})											Back to main list
1	E Europe	Slovenia	Boarding school Novo mesto	Public sector	Gas engine	Natural gas	0,05	0,081	Own, loans	Novo mesto	Huge heating potential in public sector
2	N Europe	Belgium	Hotel Crowne Plaza	Hospitality sector	Gas engine	Natural gas	0,14	0,207	Own	Brussels	Extension of a boiler room
3	N Europe	Belgium	Ecopower	Public sector	Biofuel engine	Rapeseed oil	0,25	0,257	TPF	Eeklo	Administration building



Nr.	Region	Country	Name	Sector	Technology	Fuel	Capacity		Financing	City	Specialties
							MW _{el}	MW _{th}			
4	E Europe	Czech Republic	Block of flats Troja	Residential sector	Gas engine	Natural gas	0,3	0,45	Own, investment subsidy	Prague	CHP output power regulated according to the electricity consumption
5	SE Europe	Greece	CHP system in educational - athletic - conference facilities in Athens	Education	Gas engine	Natural gas	0,34	0,68	TPF	Athens	CHP installation with the aim to reduce energy consumption
6	N Europe	Belgium	Belgium supreme court house	Public sector	Gas engine	Natural gas	0,462	0,611	Contracting	Brussels	Renovation of a boiler room
7	SE Europe	Greece	Trigeneration at Mitera hospital	Health sector	Gas engine	Natural gas	0,49	0,89	Own, investment subsidy	Athens	First trigeneration ever installed in a Greek hospital
8	SE Europe	Cyprus	Andriana Biogas CHP Plant	Waste management + electricity production	Gas engine	Biogas	0,5	0,5	Own, loans	Xylotymbou	Use of waste from pig farm to minimize transportation costs + sale of electricity
9	SE Europe	Cyprus	Tersefanou Biogas CHP Plant	Waste management + electricity production	Gas engine	Biogas	0,5	0,5	Own, loans	Tersefanou	Use of waste from pig farm to minimize transportation costs + sale of electricity
10	N Europe	United Kingdom	Pricewaterhouse Coopers, 7 More	Professional services	Biodiesel engine	Biodiesel	0,8	0,83	Own	London	Trigeneration, dual level system, first system of this kind in UK
Medium CHP (1 MW_{el} ≤ size < 10 MW_{el})											Back to main list
1	N Europe	Belgium	Dow Corning	Production	Gas engine	Natural gas	1	1,2	Contracting	Brussels	Electricity & heat used on-site only



Nr.	Region	Country	Name	Sector	Technology	Fuel	Capacity		Financing	City	Specialties
							MW _{el}	MW _{th}			
2	SW Europe	Italy	Hypo Alpe Adria Trigeneration Plant	District heating and cooling	Gas engine	Natural gas	1,065	1,268	Own	Tavagnacco, Udine	Heat and cool for a residential area with several public and private buildings
3	N Europe	Belgium	Spa Monopole	Food and beverage	Gas engine	Natural gas	2	2,4	Own	Spa	CHP in a factory, change of technology for bottle washing machines
4	N Europe	Germany	Warsteiner Brauerei	Food and beverage	Gas engine	Natural gas	2,3	2,3	Own	Warstein	Electricity & heat used on-site only
5	N Europe	United Kingdom	Museum of Liverpool	Public sector	Gas & Biodiesel engine	Natural gas & Biodiesel	2,3	2,4	TPF, contracting	Liverpool	New building, TPF
6	N Europe	Ireland	Trigeneration	Manufacturing	Gas engine	Natural gas	2,95	2,05	Own	-	Trigeneration
7	N Europe	Denmark	Snedsted Sarmeveark	District heating	Gas engine	Natural gas	3,047	4,075	Own	Snedsted	Retrofit of a district heating CHP
8	N Europe	United Kingdom	Royal Victoria Infirmary Energy Centre	Health sector	Gas engine	Natural gas	3,8	5,5	TPF	Newcastle-upon-Tyne	Renovation of a boiler room in a hospital
9	N Europe	Ireland	Bailieboro CHP plant, Lakeland Dairies	Food and beverage	Gas turbine	Natural gas	5	18,5	TPF	Bailieborough	Problems with connection to the grid
10	SW Europe	Spain	Hospital Central de la Defensa 'Gomez Ulla'	Health sector	Gas engine	Natural gas	5,8	6,1	Own, loans	Madrid	Fully covered electric and heat demands of hospital + sale of electricity
11	N Europe	United Kingdom	Milton Keynes District Energy Network	District heating and cooling	Gas engine	Natural gas	6,094	6,346	Loans, TPF	Milton Keynes	District energy scheme – electricity, heating, hot water, cooling

Nr.	Region	Country	Name	Sector	Technology	Fuel	Capacity		Financing	City	Specialties
							MW _{el}	MW _{th}			
12	N Europe	Belgium	Belgomilk Langemark	Food and beverage	Gas turbine	Natural gas & Biogas	7,35	13,8	Own, loans	Langemark	Heat entirely used in a dairy plant
13	N Europe	Belgium	Docent Katholieke Hogeschool Kempen, "Hortipower"	Education	Gas engine	Natural gas	8,6	9,542	Loans	Geel	Greenhouse heating, CO ₂ nutrition for tomato plants
Large CHP (≥ 10 MW_{el})											Back to main list
1	SE Europe	Greece	Psyttalia	Wastewater treatment	Gas turbine	Natural gas	12,9	17,3	European funding	Psyttalia island	Heat is used entirely for drying the sludge, electricity covers most of the island's needs
2	SE Europe	Greece	Thermie Serres S.A.	District heating	Gas engine	Natural gas	16	16,92	Own, loans, investment subsidy	Serres	New district heating plant
3	N Europe	United Kingdom	Veolia Environmental Services, Sheffield District Energy Network	Waste management and recycling	Steam turbine	Municipal solid waste	21	40	Own	Sheffield	Heat used for district heating; high capital costs of the infrastructure are problem
4	N Europe	Germany	MVR Rugenberger Damm Hamburg	Waste management	Steam turbine	Municipal solid waste	29	70	Own, KfW-loans	Hamburg	Production of electricity, district heat and process steam
5	SW Europe	Spain	Uipsa Cogeneration Plant	Paper production	Combined cycle	Natural gas	33	52,6 t/h	Loans	Barcelona	Replacement of the old CHP plant
6	N Europe	Finland	UPM Kymi Recovery Island	Pulp and paper	Steam turbine	Black liquor	110	630 t/h	Own, loans	Kuusankoski	Operation close to the zero carbon footprint
6	E Europe	Poland	CHP plant Siekierki	District heating	Steam turbine	Coal & Biomass	622	1.193	Own, loans	Warsaw	Retrofit of a district heating CHP