SOKRATHERM reference examples

The following examples represent just a fraction of the roughly 2500 compact CHP units we have built and delivered. These units have consistently demonstrated their reliability, often already for many years or in combination with heat pumps, in a diverse array of locations and settings.

Our clientele is rich in variety, comprising local utilities, power companies, BOO (Build-Own-Operate) entities, hotels, industries, municipalities, and equipment manufacturers.

Typical application cases are:

- Hospitals and nursing homes
- Office and administration buildings
- Residential buildings
- Hotels and swimming pools
- Industrial sites
- Water purification plants, biogas plants and landfills
- Breweries and food industry

In Germany and many other European countries such as England, Ireland, Sweden, Italy, France, Spain, the Netherlands, Belgium, Switzerland, Austria, Latvia, Estonia, Ukraine, Poland, Slovenia, Romania and Bulgaria as well as Chile and Argentina, SOKRATHERM compact CHP units provide for a reliable, eco-friendly and economically sound heat and power supply.

In the CHP unit type name, the first letter stands for the fuel type (G = natural gas, F = Sewage gas/biogas) and the second one for Generator. The number indicates the nominal power in kW. At special configurations, an additional letter after the number indicates the configuration: D = Steam generation, T = Thermal oil heating, H = Hot cooling (95/80 °C instead of 90/70 °C flow/return temperature). In the GK series of CHP units to generate compressed air and heat the letters stand for “Gasmotor-Kompressormodul” (gas engine compressor unit).

Compact CHP unit GG 70
Budersand Hotel Golf & Spa, Hörnum (Sylt)

Compact CHP unit GG 202 with brine/water and air/water heat pump
Alanbrooke Quartier Paderborn

3 Compact CHP units GG 50 6VRSB
Alpenhotel Zechmeisterlehen, Schoenau

Compact CHP unit GG 50 6VRSB with air/water heat pump
Housing on former NAAFI site Herford

Compact CHP unit FG 123
Biogas plant in Glumslöv, Sweden

Compact CHP unit GG 260
St. Josef-Hospital Bochum

Compact CHP unit GG 50 6VRSB P Air-water heat pump 75 kWth
District heating and head office Hiddenhausen

3 Compact CHP units GG 100
Housing district 52° Nord, Berlin-Gruenau

2 Compact CHP units GG 530 H
with SCR catalyst, APL Landau

Compact CHP unit FG 95
Landfill Reesberg, Kirchlengern

Compact CHP unit GG 140
Arts collection NRW (K20), Duesseldorf

Gas engine compressor unit GK 140 for heat and compressed air generation
Heckler & Koch factory, Oberndorf

Compact CHP unit GG 50
Children's hospital, RA-Buenos Aires

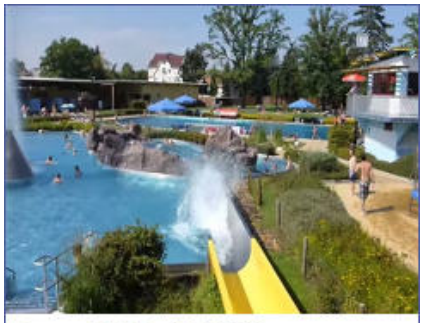
Compact CHP unit GG 100
in Container with emergency power and cooling
Company HQ building 'The SUMMIT', Siegen

Compact CHP unit GG 330 + GG 260
EnBW combined energy center Waldbronn
Contracting Award 2018

CHP unit GG 1000
District heating in Kitzscher (Saxony)

Compact CHP unit GG 50
School village Bergstrasse, Seeheim-Jugenheim

2 Compact CHP units FG 50
with emergency power function
Water purification plant, Oberkirch



Compact CHP unit GG 260
Albgaubad Ettlingen

Compact CHP unit GG 530
Flexible cogeneration with electric boiler
District heating Oberhausen-Barmingholten

Compact CHP unit GG 140
Organic food production, RAPUNZEL, Legau

Compact CHP unit GG 198 D
Brewery Cölner Hofbräu Früh KG, Cologne

Compact CHP unit GG 530
Energiebunker Hamburg-Wilhelmsburg

Compact CHP unit GG 50
Durrant House Hotel, UK-Northam

Compact CHP unit GG 402 H
with hot cooling for trigeneration, container
J.G. NIEDEREGGER GmbH & Co. KG, Lübeck

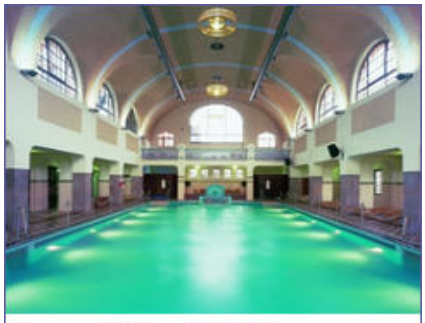
3 Compact CHP units GG 50
Furniture parts production, Hettich, Kirchlengern

Compact CHP unit GG 70
Hotel Bretterbude ("plank shack"), Heiligenhafen
Hotel building of the year 2017

Compact CHP unit GG 330
City theatre Freiburg

Compact CHP unit GG 140
Retirement home
Istituti Riuniti Airoldi e Muzzi, I-Lecco

Compact CHP unit GG 260 H
Compact CHP unit GG 100 H
School and administration center Ravensburg

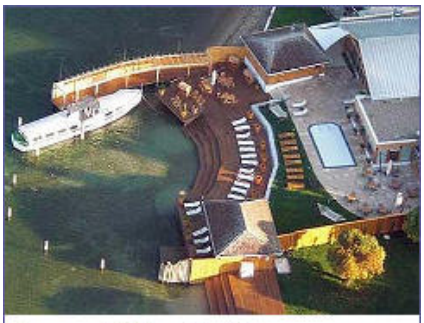


Compact CHP unit GG 140
Badehaus Nordhausen

Compact CHP unit GG 402
Elisabeth hospital Essen

3 Compact CHP units GG 140
Rohde AG industrial handles, Noerten-Hardenberg
CHP scheme of the year 2014

Compact CHP unit GG 50
MESSE BREMEN fairground



Compact CHP unit GG 50
monte mare lake sauna, Tegernsee

Compact CHP unit GG 113
Munster Technological Universtity, IRL-Cork

Compact CHP unit GG 402 T
Gravure printing plant, Rahning, Bünde

2 Compact CHP units GG 140
LWL-Klinik Lippstadt

Compact CHP unit GG 260
Residential area Poppenbuetteler Berg, Hamburg

1 Compact CHP unit GG 237,
2 x GG 140, 1 x GG 50
Institute FU Berlin: Lankwitz, Düppel, Kelchstraße

Compact CHP unit GG 402
Hospital Clinico de Magallanes
Punta Arenas, Chile

Compact CHP unit GG 237
Spa hotel, clinic and congress center Bad Boll

Compact CHP unit FG 250
Container installation
Water purification plant Herford

2 Compact CHP units GG 50 mobile
Outdoors pool in summer and school in Winter,
Enkenbach-Alsenborn

Compact CHP unit GG 237
with emergency power function
VEM Motors GmbH, Wernigerode

Compact CHP unit GG 260
Heat and power plant Seidenfaeden, Denzlingen

Compact CHP unit GG 50
Swimming pool & Spa SaWanne, Sangerhausen

Compact CHP unit GG 530
District heating, I-San Felice sul Panaro

Compact CHP unit GG 50
Shopping center BTC City, SLO-Murska Sobota

Compact CHP unit GG 530
with additional enclosure
Thiebauth school Ettlingen

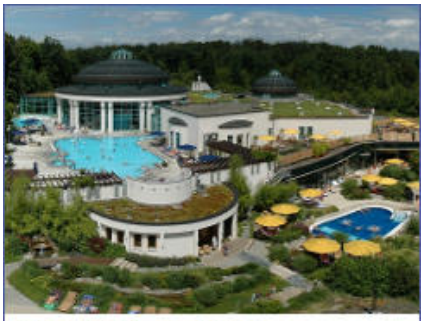
BHKW-Kompaktmodul GG 70 H
with absorption chiller for climatisation
Multimar Wattforum, Tönning

2 Compact CHP units GG 237
1 Compact CHP unit GG 140
Gräflicher Park Hotel & Spa, Bad Driburg

Compact CHP unit GG 50
Parkresidenz Rahlstedt, Hamburg
Residence for senior citizens

1 Compact CHP unit GG 402
1 Compact CHP unit GG 402 H
GRUNDFOS Pumpenfabrik GmbH, Wahlstedt

3 Compact CHP units FG 250
Water purification plant Kielseng, Flensburg



Compact CHP unit GG 113
Compact CHP unit GG 140
Mineraltherme Böblingen

Compact CHP unit GG 50
with emergency power function
Castle Biebrich, Wiesbaden

4 Compact CHP units GG 402,
1 x GG 206, 1 x GG 395
Sartorius Campus Göttingen

Compact CHP unit GG 140
Residential complex, Hannover-Laatzen

Compact CHP unit GG 402 H
Compact CHP unit GG 530
Max-Planck inst. f. biophy. chemistry, Göttingen

Compact CHP unit GG 237 H
Berliner Stadtreinigung BSR

2 Compact CHP units GG 237
with emergency power function
Röhm GmbH, Sontheim

2 Compact CHP units GG 237
1 Compact CHP unit GG 140
Beiersdorf AG factories, Hamburg