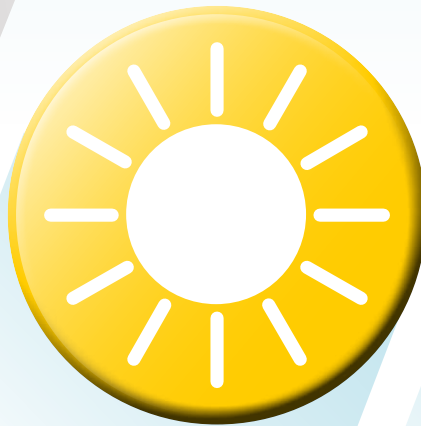


renewalyzer

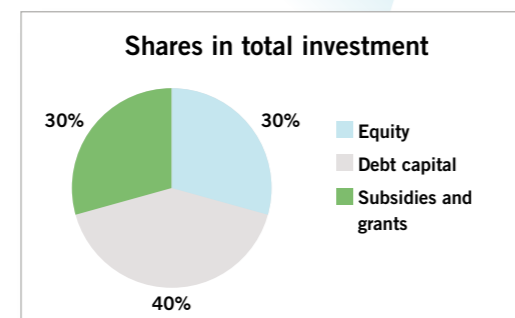
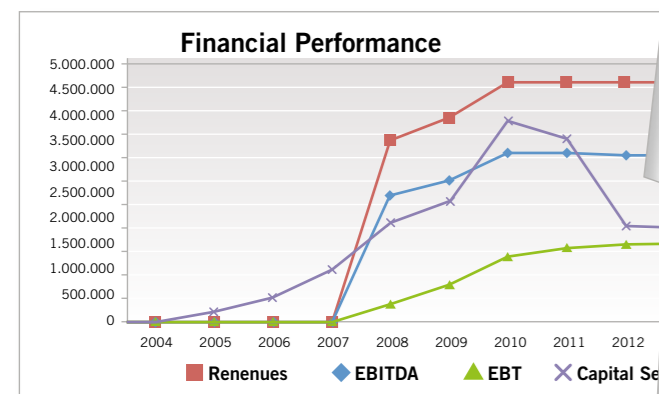
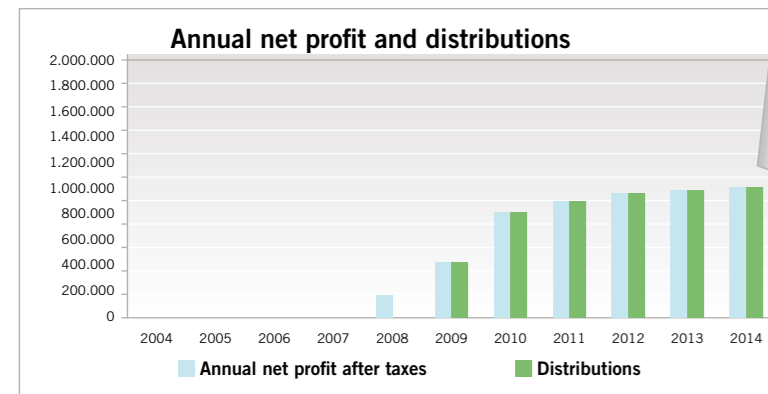
Business Planning Software for Renewable Energies



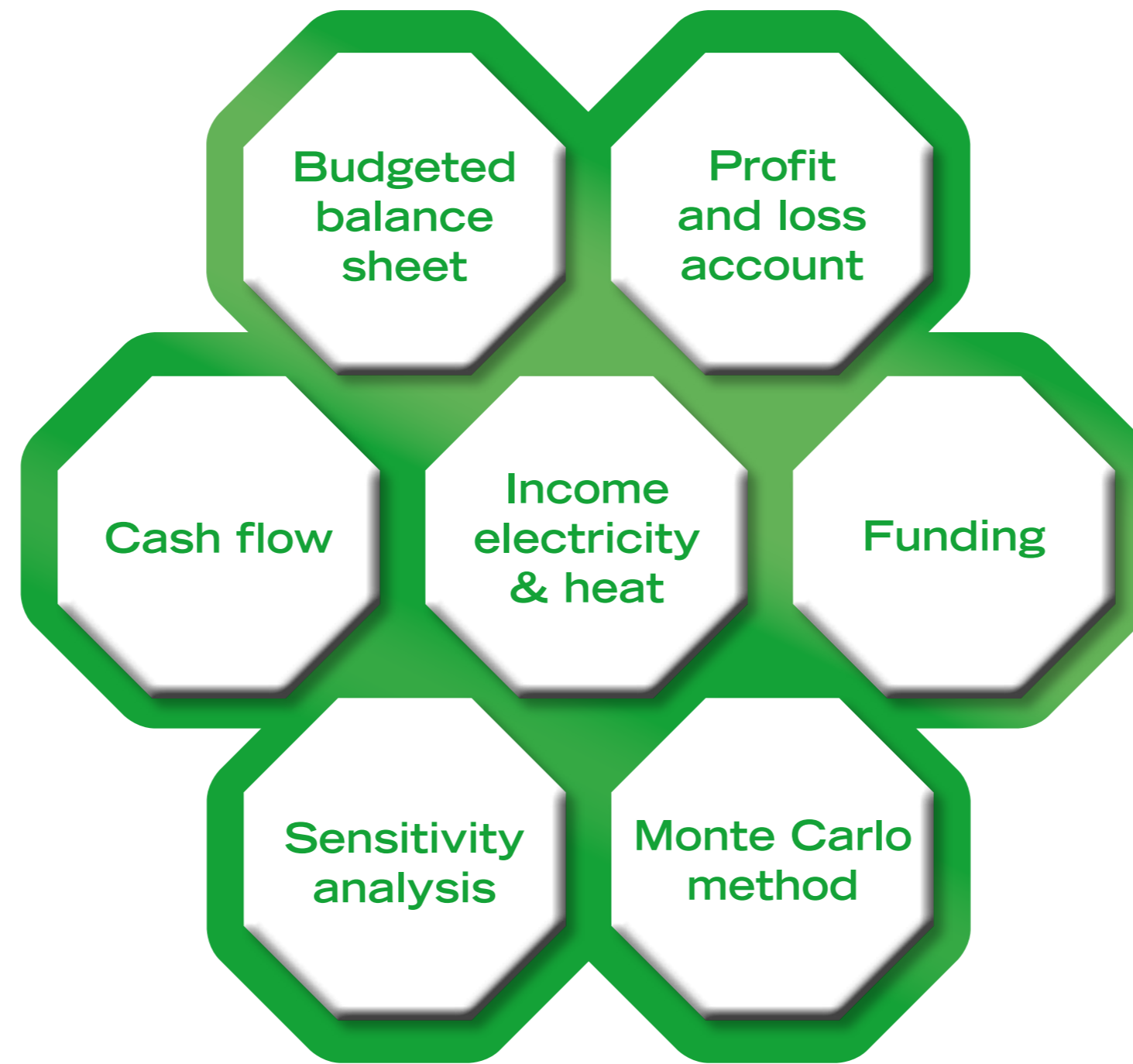
Economic approach

The **renewalyzer** takes into account all elements of your business case. This includes the following components:

- Capital expenditure, partial based on indicators
- Operational expenditure
- Insurance costs
- Electricity and heat production costs
- Planning costs
- Financing structure
- Shareholder structure
- Market data (EEG-based electricity and heat costs)
- Governmental subsidies and grants



renewalyzer



renewalyzer – analytical solution for renewable energies:

Especially designed for deep geothermal energy, biomass and solar energy, the **renewalyzer** is used for economic planning in all project phases. It calculates key performance indicators for combined as well as pure power- and heat-projects. The **renewalyzer** is available in all currencies and two languages (German/English) or on request in all languages.

Technical approach

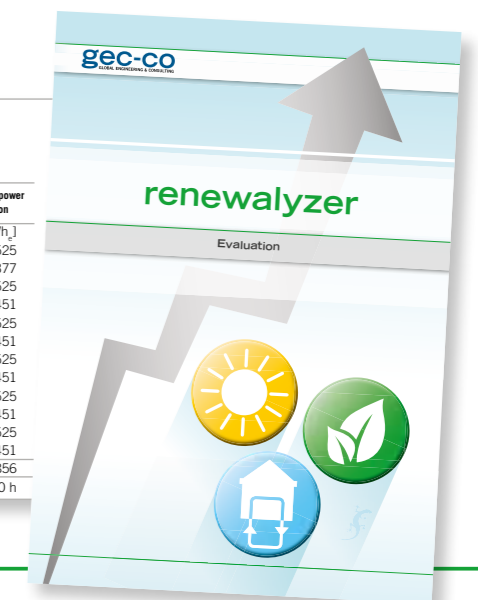
The **renewalyzer** takes into account the technical characteristics of deep geothermal energy, solar energy and biomass.

- Balancing of supply and demand profiles of heating networks
- Permits
- Own Energy Consumption
- Specific modeling tool for solar, wind and geothermal
- Mechanical engineering & construction
- Performance calculation for electricity and heat
- Hybridization with other renewables or further power plants (e.g. CHP)

The following specifics and values (selection) are included:

| DEEP GEOTHERMAL ENERGY | SOLAR ENERGY | BIOMASS |
|--------------------------|--------------------|--------------------------|
| • Geology | • Row spacing | • Fuel value |
| • Thermal water | • Shading | • power plant technology |
| • Power plant technology | • Area consumption | |

| 2008 | Days per month | Hours per month | Operating hours per month | Availability | Installed electrical capacity (ORC) | Geothermal power production | |
|---------|----------------|-----------------|----------------------------------|--------------|-------------------------------------|-----------------------------|---------|
| | [d] | [h] | [h] | [%] | [MW _e] | [MWh _e] | |
| Jan 08 | Jan 08 | 31 | 744 | 495 | 66,58% | 3,08 | 1,525 |
| Feb 08 | Feb 08 | 29 | 696 | 447 | 64,28% | 3,08 | 1,377 |
| Mar 08 | Mar 08 | 31 | 744 | 495 | 66,58% | 3,08 | 1,525 |
| Apr 08 | Apr 08 | 30 | 720 | 471 | 65,46% | 3,08 | 1,451 |
| May 08 | May 08 | 31 | 744 | 495 | 66,58% | 3,08 | 1,525 |
| June 08 | June 08 | 30 | 720 | 471 | 65,46% | 3,08 | 1,451 |
| Jul 08 | Jul 08 | 31 | 744 | 495 | 66,58% | 3,08 | 1,525 |
| Aug 08 | Aug 08 | 30 | 720 | 471 | 65,46% | 3,08 | 1,451 |
| Sep 08 | Sep 08 | 31 | 744 | 495 | 66,58% | 3,08 | 1,525 |
| Oct 08 | Oct 08 | 30 | 720 | 471 | 65,46% | 3,08 | 1,451 |
| Nov 08 | Nov 08 | 31 | 744 | 495 | 66,58% | 3,08 | 1,525 |
| Dec 08 | Dec 08 | 30 | 720 | 471 | 65,46% | 3,08 | 1,451 |
| | | | 5.800 | | | | 17.856 |
| | | | Full-load hours electricity 2008 | | | | 5.800 h |



Your contact



Evelyn Schwellenbach

Sales

gec-co Global Engineering & Consulting-Company GmbH
Bürgermeister-Wegele-Straße 6
86167 Augsburg
Fon: +49 821 / 56 993 00-48
e-mail: consulting@gec-co.de
www.gec-co.de



gec-co
GLOBAL ENGINEERING & CONSULTING

We provide further services through our partners.

Package Services

Your input data enables the **renewalyzer** to define your specific project precisely. Using different package solutions allows to specify the number of analyzed scenarios and calculated financial indicators.

| PACKAGE | CONTENT |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic | Executive Summary: <ul style="list-style-type: none">• Financial mathematical evaluation• Standard scenario |
| Standard | <ul style="list-style-type: none">• Executive Summary• Profit and loss account• Budgeted balance sheet• Report (English or German) |
| Extended | <ul style="list-style-type: none">• Executive Summary• Profit and loss account• Budgeted balance sheet• Report (English or German)• Financing plan• Capital expenditure• Operational expenditure Optional: up to three scenario evaluations |
| Premium | Individual modification of requested functions. Own processing on an online platform possible. |