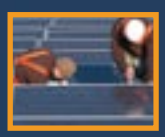
E CONCERN




OUR MISSION: A SUSTAINABLE ENERGY SUPPLY FOR EVERYONE



ECONCERN

a sustainable energy

To develop long-term energy supplies, you need new, imaginative ways of thinking and acting. Econcern has a strong commitment to creating a sustainable energy supply from which everyone everywhere can benefit. This is why we are continuously introducing efficient, integrated concepts and systems that can drive a sustainable energy transition.

Ecobuildings

Econcern is developing two zero-energy office buildings in Nieuwegein, a town near Utrecht in the Netherlands. The first of these – a 90-metre office tower – will be a landmark among existing low to medium-rise buildings. A smart combination of innovative measures will minimize energy demand. The façade will generate electricity by using an innovative photo-voltaic system and on the roof new, building-integrated wind turbines will be installed. These and other measures will result in zero-energy buildings with a striking architectonic design. As the new head office of Econcern, this will be a true showpiece for our mission, demonstrating that a sustainable energy supply is feasible for everyone.

In our view, the key to such a transition is market-driven innovation. Econcern is a major European player in the sustainable energy market, by being:

- **innovative**
  With a comprehensive technical and financial understanding of energy systems, we are experts in designing highly competitive projects, products, systems and services.

- **and market-driven**
  As we collaborate closely with corporate clients, governmental organizations, financial institutions and other organizations, we are in an excellent position to provide economically viable, sustainable, market-driven energy solutions.

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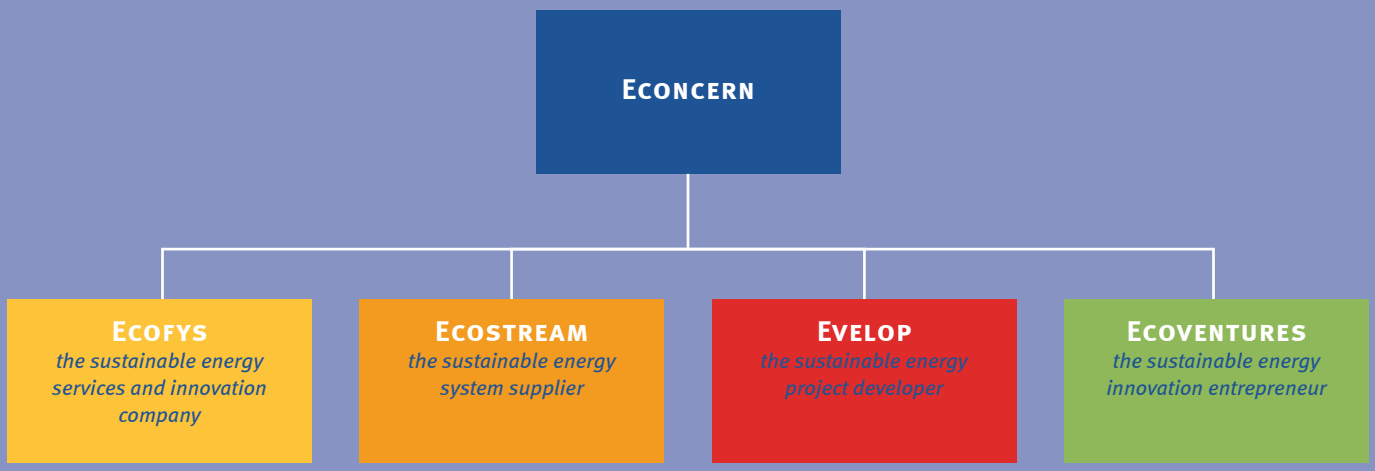
supply for everyone

Thanks to the combined power of the Econcern group – which consists of our four operating companies, Ecofys, Ecostream, Evelop and Ecoventures – we deliver unique projects, as well as innovative products and services for a sustainable energy supply.

Econcern: providing sustainable energy solutions



Our sustainable energy solutions are based on four guiding principles:

1. The potential for sustainable energy is vast, and sources of renewable energy are available everywhere.
2. Developments should concentrate on efficient, sustainable energy services, not on energy supply.
3. Sustainable energy solutions need to be economically and environmentally sound.
4. Innovation is key in bringing sustainable energy solutions to the market.

Providing sustainable energy services and innovations

There is no doubt that working towards a sustainable energy supply is a strategy that pays off in the long run, but there are also more immediate benefits that can be achieved right now. The solutions and innovations that Ecofys offers enable businesses to achieve both profitability and social accountability. In addition Ecofys helps the public sector to implement more effective policies and campaigns.

Carbon management

Ecofys supports large companies in a variety of industries in making strategic decisions related to carbon emissions legislation. In a carbon management project we determine the client's carbon footprint and the 'value at stake' under different scenarios. Then opportunities to save carbon are investigated, along with costs and benefits, as well as any organizational changes that may be needed. From decades of experience we know how important it is to keep an open mind, as what at first seem to be unlikely options may lead to surprisingly positive results.

Utilizing ocean energy

The simplest solutions sometimes require the greatest ingenuity. Take the Wave Rotor prototype developed by Ecofys, for example. Based on the principles of wind turbines, this device converts the energy contained in waves and currents into a single rotary movement, which drives a generator. It is better able to withstand storms than other systems, thanks to the limited surface area that is exposed. Ecofys has turned ocean energy from a potential into a demonstrable technology, thus bringing a new renewable energy market a step closer to reality.

Over the years, Ecofys has built up considerable hands-on experience and a sound knowledge base. By integrating know-how on just about every aspect of sustainable energy with knowledge of a variety of market segments, Ecofys is able to provide clients with solutions that meet their needs in the best possible way.

The market for sustainable energy can grow significantly through innovation. Services, products and systems need to become more efficient and reliable, cheaper to produce, and easier to install and manage. By coupling knowledge and creativity to a clear vision of the market Ecofys is working on tomorrow's solutions today. Examples of such innovations include urban turbines, the closed greenhouse, the Wave Rotor and a sophisticated wind power prediction service.

ecostream

Supplying sustainable energy systems

Ecostream provides ready-to-use sustainable energy systems for consumers and business clients alike. Highly qualified experts deliver extremely reliable systems which deliver optimized energy and generate sound revenues. These range from do-it-yourself packages to customized large-scale projects.

Do-it-yourself solar power

Consumers are becoming increasingly interested in environmental friendly sources of energy. Ecostream supplies small-scale solar energy systems to households, either through a full-service Web shop or through energy campaigns set up with third parties. The company is the central point of contact for information, order intake, installation and after-sales. In this way, Ecostream helps people enjoy the benefits of using clean, inexhaustible, free sources of energy.

Solar power for farmers

In Germany and Luxemburg Ecostream has supplied numerous agricultural companies with photovoltaic systems. Agricultural buildings, such as those used to house livestock, usually have large areas of roof space which can be used to generate 'green' electricity. This can be sold into the grid and thus provide an extra source of income.

Large-scale solar plant

Ecostream provided the Dutch housing association Patrimonium with a 1.25-MW solar power plant. The entire project (engineering, procurement, installation and testing) was implemented within 13 weeks, a fantastic achievement! The 8,000 solar panels were installed on 40 apartment buildings with a total surface area of 11,000 square meters. Thanks to this project, the municipality of Veenendaal achieved the highest solar energy density in the world.

Comprehensive supervision by qualified technicians guarantees that clients get a tailored, financially attractive solution which will meet their needs now and in the future.

With expert advice from installation to grid connection, Ecostream ensures smooth implementation of sustainable energy systems. In addition, the company offers after-sales services such as system monitoring and evaluation and remains the first point of contact for questions related to operation and maintenance.

Developing sustainable energy projects

Evelop is a major player in renewable energy project development, including offshore and on-shore wind energy, bio energy, solar energy and seawater-based air-conditioning.

Bio-energy plant

Evelop and agricultural service company Groot Zevert together developed, built, and are now operating an anaerobic digestion plant. In this biomass installation, manure and other by-products are used to generate heat and power. The electricity is fed into the grid, while the heat is used to pasteurize manure so that it can be sold as high-quality organic fertilizer. This is a typical win-win situation: livestock farmers process large quantities of manure in an environmentally friendly and economically viable way, greenhouse gas emissions are reduced, and waste material is turned into a valuable by-product.

Offshore wind farm

Evelop won the concession to develop the Sheringham Shoal Offshore Wind Farm. This 315 MW wind farm will consist of around seventy turbines, located some 20 km north of the Norfolk coast in the North Sea. As the project developer, Evelop is responsible for consents, technical design and financial engineering. The wind farm will produce enough energy to power around 250,000 households. This will allow a reduction in carbon dioxide emissions of over 700,000 tonnes per year.

Seawater air-conditioning

Seawater air-conditioning (SWAC) is an innovative system which uses cold water from the depths of the sea or lakes as a coolant for air-conditioning in buildings situated nearby. This form of energy enables a company to save up to 90% in electricity costs, thus contributing to a more sustainable environment. Evelop develops SWAC systems for hotel chains and other companies that need air-conditioning. In the Piscadera project in Curacao for instance, Evelop and partner Aqualectra are developing a SWAC that will help the Marriott, Hilton and the World Trade Center to greatly reduce the power they use for air-conditioning.

To deliver commercial renewable-energy projects, Evelop uses its longstanding knowledge of sustainable technologies and market developments. It analyses all available resources, secures permits, closes contracts, supervises technical and financial engineering, and oversees construction. If required, it can also provide turnkey project management.

A number of factors put Evelop ahead of the field in sustainable energy projects. These include insight into national and international developments, innovative and viable combinations of technologies, knowledge of the best locations for wind farms and other facilities, and an ability to generate local commitment.

eco VENTURES

Adding entrepreneurship to sustainable energy innovation

Ecoventures brings promising ideas to the market. It commercialises the innovative products, systems and services developed within the Econcern group by establishing new companies or selling licenses.

ICS production company

Another of Ecofys' inventions will be brought to market by an Ecoventure. Unlike regular solar water heaters, the Integrated Collector Storage (ICS) combines solar collector and storage tank in one device. This system results in lower production costs and is much easier to install. What's more, the innovative design of the collector generates even higher yields, enabling users to save more on their energy bills.

Closed Greenhouse

Innogrow manufactures and supplies the Closed Greenhouse, an innovative greenhouse climate control and energy system developed by Ecofys. Making it possible to keep the roof closed all year round, this system gives growers maximum control over growing conditions. Commercial projects have shown that the Closed Greenhouse lives up to its promise: higher levels of production, less water consumption, considerable energy savings and less need for environmentally damaging crop protection products.

Ecoventures brings people and money together to commercialise sustainable energy products, systems and services. This is done by establishing dedicated companies which can take prototypes to commercial maturity, often together with strategic partners. Ecoventures has all the entrepreneurial and commercial competencies needed to make sustainable energy developments a success.

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