

PITCHING CLEANTECH COMPANIES 2015

3eflow, Sweden

3eflow develops and sells an innovative tap water flow solution. The technology auto-fill the pipeline only when you open the tap. The tubes are thus empty 98-99% of the time. The solution delivers increased comfort, 30% savings in water usage and huge energy savings.

<http://3eflow.com>

Airec, Sweden

With the motto "Innovative heat exchangers that make a difference" is Airec focusing on plate heat exchanger designs which in certain applications give superior customer value and function.

Thousands of Airec exhaust gas heat exchangers are recovering energy in German CHP-machines and Airec has globally reached strong market positions also in other applications. Parallel to producing and delivering heat exchangers is Airec having a hand full of global projects where our technology is integrated in leading international companies products and systems.

Airec is appointed Climate Solver by WWF with the highest rating given regarding global potential to reduce CO₂-emissions with its technology.

<http://www.airec.se>

Aurelia Turbines, Finland

Aurelia has developed a small gas turbine which, with electrical efficiencies above 45%, is perfect for the growing distributed energy market. The efficiency and overall effectiveness of the turbine out performs all the other generators currently capable of being placed in the Distributed Energy Market. The technology is based on Aurelia's own innovations and on technology developed by Lappeenranta University of Technology over the past 30 years. Aurelia has full control over the Intellectual Property rights and exclusive access to the design of this turbine which, in part has contributed to having already signed Letters of Intent for the sale of 245 turbines. These turbines will be delivered in first three operational years of Aurelia and will equate to a turnover of more than 100 Mio €. Aurelia is also pleased to have secured a very experienced, international management team which will be another strong factor in securing long term success.

<http://www.aureliaturbines.com>

Aqualyng Global, Norway

Aqualyng Global is a leading provider of Project, Products and Services for the Water industry. With a wide offering for Desalination, ZLD and STP as well as components for a wide spectrum of water applications, Aqualyng is a one stop solution for your water needs.

Specializing in treatment of difficult water, Aqualyng and its subsidiaries have delivered water solutions for sectors like oil/gas, power, mining and other industrial applications since 1996, and has setup in Singapore, India, China, Australia, Spain and the UAE.

For desalination, Aqualyng has its own proprietary energy recovery device, the Recuperator, which ensures lowest life cycle cost for SWRO plants. The company also holds technologies and patents for a range of water treatment areas.

<http://www.aqualyng.com/en/>

Ascatron, Sweden

More power and lower losses with 3DSiC® power electronics. Ascatron develop next generation Silicon Carbide power semiconductors based on our 3DSiC® epitaxial material technology. By replacing conventional ion implantation with epitaxy doping structures we improve device performance dramatically. Ascatron produce the 3DSiC® material in-house and offer epiwafer with device license or device chip processed at foundry. Target applications range from mass markets for solar and automotive to high voltage for wind and data centers.

<http://ascatron.com>

Bioprocess Control, Sweden

Bioprocess Control is a technology provider in the area of advanced instrumentation and control technologies for research and commercial applications in the biogas industry. The company has been in business since 2006 and brings to market more than 15 years industry leading research and development in the area of instrumentation, control and automation of anaerobic digestion processes. Bioprocess Control offers a portfolio of smart instruments in the area of substrate analysis and process simulation, which allows the company to offer technology solutions that can both stabilise and unleash the true potential of a biogas plant. Today Bioprocess Control has products export to more than 40 countries with more than 800 customers from industrial and academic sectors around the world.

<http://www.bioprocesscontrol.com>

Bioptech, Sweden

Bioptech's mission is to prevent eutrophication, ensuring access to clean water, and to recycle phosphorus, securing food supply for a growing population. Bioptech's filter bed technology can both adsorb and recycle phosphorous in a cost effective manner. The technology is flexible and modular allowing it to be used for different needs and environments such as individual treatment plants, farmlands, animal farms and municipal wastewater treatment plants. It is easy to operate and requires limited investment.

<http://bioptech.se>

Bioextrax, Sweden

Bioextrax is focused on the development and commercialization of a unique bio-extraction platform technology. The technology platform can be used, among other things, for the efficient extraction of PHA plastics (bio-based plastics), protein hydrolysate from protein rich waste, and bio-oils from micro algae.

<http://www.bioextrax.com>

Bofood, Sweden

Bofood is a Swedish food processing company that has a unique production technology to produce a fully plant based cream, this acts as the base for a number of premium non-dairy products. Now focusing on Ice cream and expansion in Europe with own brand Lovice and preparing to move beyond, the combination of great taste and free from milk status appeals to modern consumers. By directly using the world's most important protein-source and avoiding cows as middlemen you save a lot of resources and green house gas emissions. The food industry has a bigger impact on

climate than that of the transport sector and climate-smart products like Lovice that do not compromise on taste and quality is what the world needs.
<http://bofood.se/>

CircuitMeter, Canada

CircuitMeter Inc. has developed radically new metering and energy analytics technology. By marrying metering, real time communications and software into a single package, CircuitMeter brings breakthrough power and economics to the energy management and sub-metering industries. CircuitMeter's hardware is a small fraction of the price of traditional meters, and dramatically lower in price than in-market multi-port submeters, making circuit level deployment of submeters economic. With real time metering and communication to the cloud, CircuitMeter provides the ultimate in energy information granularity. "Forensic Energy Management™" becomes possible.

CircuitMeter's real time data and complete circuit-level historical database is available to the End Users through the company's powerful cloud based CircuitMonitoring™ software, or through an API that gives third party dashboard systems the ability to incorporate CircuitMeter granular metering, data and functionality.

www.circuitmeter.com

<http://www.cityntel.com>

Cityntel, Estonia

Cityntel has developed revolutionary new generation context aware street light control based on next generation self configuring wireless flat mesh network and Mist computing technologies.

Instead of just remote control, like existing solutions, we have embedded intelligence into each street light making them situation and context aware and to be able to adapt streetlight brightness based on actual situation and need.

<http://www.cityntel.com>

Cleanfield, Denmark

Cleanfields BioBox is an automatically driven installation, which removes or reduces organic pollution, especially hydrocarbons from large volumes of soil or sludge. It can be installed as a plug and play unit and can after completion of a cleaning service, be moved to a new location.

<http://www.cleanfield.com>

ClimateWell, Sweden

ClimateWell is an award-winning cleantech company headquartered in Stockholm, Sweden that has invented and successfully developed a thermo-chemical heat pump component that converts and stores thermal energy used for heating and cooling without the need of electricity. It is based on a unique and patented triple-state absorption technology where crystallization of the salt does not have to be avoided. ClimateWell's unique CRYSTALS technology is applied in the fields of solar thermal, diesel and waste heat-powered Air Conditioning and gas-fired tap water heaters and boilers. ClimateWell's components are currently being integrated in those applications by major OEMs like GE, Alfa Laval, Rheem and Caterpillar.

<http://www.climatewell.com>

Discovery, Germany

Discovery is a leading provider of Smart Metering technology and services. By providing unprecedented transparency, insights and analysis in real-time, Discovery empowers its customers to significantly decrease electricity consumption and costs.

Some typical use cases are:

- * Households and businesses reducing their energy spent by 15% and more by discovering unnecessary consumption
- * Producers of renewable energy (solar, wind, CHP, etc.) monitoring and maximising their production
- * Prosumers consuming energy exactly whenever there is a surplus of locally produced energy
- * Metering and billing for microgrids
- * Energy monitoring (ISO 50001, etc.)

<https://discovery.com/home>

Enerqos, Italy

ENERQOS SpA is an Energy Service Company – ESCo – which offers innovative solutions to improve energy efficiency. The mission of Enerqos is to make a contribution to the environment by offering a competitive advantage to small and medium-sized enterprises through energy efficiency solutions.

The company, founded in Monza (near Milan) in 2006, has extensive experience in the planning, management, financing and monitoring of major projects in the energy solutions sector. Both the capital and operating costs required for the implementation of a project can be funded directly by ENERQOS, by sharing with customers the savings generated. In this way, the customer can start the project without any investment or initial expenditure.

<http://www.enerqos.com>

EXEGER, Sweden

EXEGER has developed the world's best indoor solar cell and built the world's largest factory for third generation solar cells; right here in Sweden, in the city center of Stockholm. Thanks to new proprietary nano-materials, EXEGER's cells have a significantly higher power density than other solar cells and unique design capabilities allowing for seamless integration in consumer electronic devices as well as automobiles and buildings.

Imagine a world where your electronic devices charge themselves. We call this unconscious charging.

EXEGER – Powering things.

<http://www.exeger.com>

Ferroamp, Sweden

Ferroamp's core competency and value proposition resides in the EnergyHub bi-directional novel inverter technology and the flexible DC microgrid topology that facilitates a unique, scalable system with new values across the value chain.

Customers benefit from a future proof adaptable system with supreme solar production efficiency and integrated automatic process control generating values when the sun doesn't shine with smart energy storage and high resolution measurements. Especially suitable for markets further away from the equator with lower solar irradiation during the winter months.

Distributors can offer and supply any system configuration with less stocked items and generate reoccurring sales over the installations life cycle.

Ferroamp investors enjoy an ever increasing value with a grid connected power electronics resource for future energy business demands.
<http://www.ferroamp.com>

Fourdeg, Finland

Fourdeg solution is a minute to install and 2-year payback time solution to improve the energy efficiency in district-heated buildings. That's e.g. 90% of the large buildings in Nordics. Savings are in the span of 15-30% of the heating energy, e.g. a piloted office building showed 28%. At the same time the indoor temperature quality is improved and the buildings maintenance becomes more pro-active. Finally the solution improves the efficiency in the district-heating network by levelling peak loads. Fourdeg Euro patented solution combines the commercially available hardware solutions with Fourdeg cloud software control. Commercial deliveries starting in June.

<http://www.fourdeg.fi>

Free Energy Innovation, Norway

Free Energy Innovation, established in 2010, has passed "proof of concept". Serial production has started up and Scandinavian sales companies with renowned management have been established.

The product is called HYSS – Hybrid Solar System and is a result of crossing the thermal solar industry with the very latest in the heat pump industry. This hybrid heating system supplies a building with all heating and domestic hot water and reduce the energy cost with 50% against the best-known option (geothermal heat pump). Unique for the system is that a great part of the thermal solar energy is used to improve the efficiency of the heat pump and makes it possible to use the complete temperature range of the solar energy. With HYSS as base the number of needed PV-panels to get self-contained buildings is drastically reduced and by that reachable.

The system is web-based and enables a direct connection to the users. It also secures that customers always have the latest and best software.

<http://www.free-energy.com>

Frigeo, Sweden

Our location in Swedish Lapland means we have a natural experience of freezing processes. We also understand the value of a clean environment and have developed the FriGeo Freeze Method with a green and sustainable future in mind. Frigeo has three different business areas that uses freeze technology. Frigeo can dewater/separate any type of sludge with the use of freeze technology. Frigeo freeze dredge contaminated sediment from the seafloor. Frigeo uses the technology to do sampling in the nuclear section.

<http://www.frigeo.se/>

GreenIndusTree,

Germany

GreenIndusTree GmbH is a full-service alternative energy provider, which offers innovative solar storage systems for decentralised energy supply. We are approaching residential clients of the upper- and middle class to power households, with air conditionings in emerging markets with high solar radiation. With this strategy we seek to implant the idea of quality and renewable energy to the societies of the

emerging markets and to export the German „Energiewende“ to countries with a non-subsidy driven demand for renewable energy solutions.

In 2014 GreenIndusTree entered successfully the market in Pakistan – a region, which has a high economical, societal and environmental need for solar power storage solutions and excellent conditions to be transferred into a decentral powered country.

With the installation of decentralised micro-grids we contribute to the reduction of the energy shortage of app. 12 GW in Pakistan and at the same time we create jobs, transfer knowledge to Pakistani citizens and contribute to the reduction of the disastrous pollution.

<http://www.greenindustree.de>

Icesolution, Norway

Icesolution AS has developed special coatings which effectively absorb microwave radiation and thus can be heated quickly. The business idea is to use the invention for deicing of wind turbines, using modern semiconductor technology for generation of microwaves inside the hollow wind power blades.

Deicing of wind power turbines is very important: annually, wind power electricity production worth ca. 500 mio € is lost due to ice formation on the blades of more than 10 000 large turbines.

Icesolution tries to develop a cost-disruptive deicing technology. The competition includes hot air circulation in the blades and electrical heating mats. These techniques have serious disadvantages, such as costs, robustness against lightning, inefficiency with regard to power consumption or time required for deicing etc. In this sense, Icesolution's technology is not only disruptive, but also enabling.

<http://www.icesolution.no>

Infrafone, Sweden

Infrafone, based in Stockholm Sweden, provides infrasound based solutions increasing efficiency through soot cleaning technology for customers in the power & heat generation and marine businesses. By harnessing the power of infrasound, soot cleaning solutions that creates customer value through both economic and environmental perspectives. The services provided include a range of products and all stages of development, from idea to well proven products successfully implemented at many customers. In addition, Infrafone has an attractive portfolio of patents for applications within other areas.

<http://www.infrafone.se/>

JMGreen, China

JM Green specializes in recycling and safe disposal of the organic waste using fly larvae fed on abundant waste nutrient sources. The nutrient recycling bioconversion process utilizes waste food as raw materials and generates valuable feed components: an insect based protein meal, an extracted fat and a nutrient rich soil conditioner.

Insect larvae are the natural food of chickens in the wild and fish in streams. Their nutritional composition is as good as that of fishmeal and better than soya. As a natural food it has excellent taste and digestibility properties.

JM Green has been developing its insect based protein feed, extruded oil, and fertilizers since 2012. Following three years of parallel academic and manufacturing research, JM Green has built two food waste disposal centers, which digest 50 tons and 200 tons of food waste everyday.

<http://www.jmgreen.cn/>

MetaSpace, China

MetaSpace (Beijing) Air Dome Corp. is “China National High-Tech Enterprise”. The company adopts high performance architectural fabric to form the envelop of the structure while leveraging a positive inner pressure to support it. No beams or columns are needed inside the structure. MetaSpace has the most capable and experienced technical and service team in the industry with several patents in air-supported structure area. The company can provide customized solutions based on the needs from different customers in different industries. MetaSpace Dome is well recognized by customers due to its unique design, safe and comfortable surroundings, energy saving as well as PM2.5 filtration system. MetaSpace Dome has been widely used in many cities for various applications in China. In 2014, MetaSpace Company has been awarded “Climate Solver 2014” by WWF for its excellent performance in environment protection and energy saving areas. The company went public in NEEK stock market in China in December 2014.

MetGen, Finland

MetGen is a venture-backed SME that has invented a disruptive, cost-efficient technology platform to develop industrial enzymes, protected by international patents. These enzymes have huge potential to improve the economic and environmental sustainability of paper, chemicals, and fuels. They can be tailor-made to harsh industrial conditions and a variety of lignocellulosic substrates, based on the individual needs of each customer. In the pulp and paper industry, MetGen’s enzyme solution boosts profitability and sustainability. It significantly reduces energy consumption and hence carbon footprint at the refining stage in mechanical pulping, when at the same time improving the process itself and the paper quality. For second-generation biofuels and bio-based chemicals, MetGen’s technology platform makes it possible to increase yields with reduced costs, reduce energy consumption, and minimize the final product’s environmental footprint. It can thus contribute to the development of low-cost sugars from cellulosic feedstock and reduce our dependence on fossil fuels.

MetGen aims at the market replication of a novel, tailor-made enzyme product that can reduce the costs and the environmental impact of industrial processes.
<http://www.metgen.com/>

Nordic Power Converters, Norway

Nordic Power Converters technology cuts the size of a power converters to a fifth and the cost in half while increasing lifespan 2-5 times. The company’s first focus will be on better LED power converters, where the products will be on the market by the start of 2016.

<http://nordicpowerconverters.com>

Oliotalo, Finland

Oliotalo connects devices and machines to business processes, specializing in demanding industrial environments. We supply a digital information pipeline between remote assets and business processes. With our proven solutions, our customers benefit from a reliable solution, faster time to market and a lower technology risk in accessing the internet of machines. With experience from installations in over 40 countries in numerous industrial sectors, Oliotalo is well positioned to partner in delivering the most demanding of solutions to unleash new

value from our customers' assets. With our solutions, our customers develop new business models, save cost, minimize waste and optimize processes.
<http://www.oliotalo.fi>

Paxymer, Sweden

Paxymer AB is selling and developing a new halogen-free flame retardant technology to fully functionally substitute bromine and other persistent substances. The company address a rapidly growing market which has to respond to coming regulation and eliminate hazardous substances. Focus industries are Transportation, E&E and Building. Paxymer's technology is designed to maximize performance and fire safety of materials while minimizing environmental footprint and eliminating persistent chemicals.

<http://paxymer.se>

Radarbolaget, Sweden

Radarbolaget is a manufacturer of radar measurement systems for harsh industrial environments, e.g. objects and processes behind walls, in no line-of-sight, or in moistly and dusty atmospheres. The value proposition is a configurable, fast and accurate radar system in combination with applied measurement expertise. Radarbolaget works within the segments of steel industry, district heating, paper pulp, loader cranes, cement industry, as well as building and construction. The company has in three years laid the foundation for a radar platform (hardware and software), on-top which products are built for different segments and solutions. The products are always repeatable for greater international market. After three years of initial investments and 30-50 percent of increased annual revenues, Radarbolaget is now planning to expand its business faster with external capital. Within four years, the goal for annual revenue is five million euro, which is a result of strategic co-operation, way of working, and injections of funds.

<http://www.radarbolaget.com>

RecondOil, Sweden

RecondOil offers a closed loop for industrial use of lube oil. By using the unique remanufacturing technology it is possible to extend the life of lube oil almost endlessly. This enables the same oil to be sold over and over again, in a fully circular economy use.

<http://www.recondoil.com>

Sansox, Finland

Sanso Oy is the provider of a patented water aeration system that helps our customers to improve their water cleaning process and save energy, chemicals and space. The company develops, manufactures and sells the product and services related to the product to a global industrial market.

<http://www.sansox.fi/>

Scandinavian Enviro Systems, Sweden

Scandinavian Enviro Systems has a patented technology for recovering of carbon black, oil, steel and gas from waste tires. Waste tires represents a big and worldwide environmental problem, with current solution being non-sufficient for handling it. Having invested some 120 MSEK in a full-scale test and demo plant during 2012-2014, the company is now conducting several negotiations regarding the sale of full

sized turn key plants to different countries. Enviro's unique solution offers a highly profitable process, with a strong investment case for plant investors.

Scandinavian Enviro Systems was listed on Nasdaq First North in June 2014.

<http://www.envirosystems.se>

SeaTwirl, Sweden

SeaTwirl is a fundamentally new solution to off shore wind turbines. The market for off shore wind is expected to grow with 30% per year and the focus will be on floating systems, since there is much more available space for them.

SeaTwirl is developed for the sea and requires the sea, while most other systems is an adaption of land based systems.

SeaTwirl will produce energy at a lower cost than conventional systems due to the simplicity of the system, mainly due to that the sea is used as bearing and that the center of gravity is low. The parts that will need service is close to sea level, which will reduce service costs as well.

SeaTwirl will produce and sell complete systems to the global energy market.

<http://seatwirl.com>

Sense Node, Sweden

Sense Node creates control over energy consumption. Companies with full control over their energy consumption will also strengthen its position in the market. Reduced energy costs, increase competitiveness. SenseNodes unique energy management system prevents energy waste quickly and cost effectively. SenseNodes wireless and automated systems SenseNode Energy Management System (SEMS) regardless medium, gives a detailed picture of energy consumption and deliver the information companies need to lower their bills.

The system measures in real time for instant feedback and builds on Smart Energy Tracking Technology (SETT), which SenseNode has developed to track the flow of energy and power cabling. It requires minimal effort to get started, without any cables and complicated installation.

<http://sensenode.se>

Simris Alg, Sweden

Simris Alg is a pioneering agribusiness growing algae in Sweden. Simris produces marine omega-3 EPA & DHA as a superior and sustainable alternative to fish oil, a global and fast growing multi-billion dollar market with severe supply issues. Our proprietary production process based on natural photosynthesis is fully scalable and has been in industrial operation since 2013. All products are non-GMO and produced without the use of organic solvents or any ingredients of animal origin. Our business philosophy is based on the synergy between state of the art technology, branding and design. Our products are marketed under our proprietary Simris Algae Omega-3 brand, targeted towards high-margin segments in the dietary supplement and food & beverages industries. Current retailers include upscale fitness studios, spas and eco-cafés, such as the Grand Hôtel Nordic Spa & Fitness in Stockholm. We pride ourselves on being forerunners in the biobased economy, and have received numerous awards for entrepreneurship, environmental sustainability, and scientific excellence.

<http://simrisalg.se/en/>

Siqens, Germany

Siqens has developed a new class of methanol fuel cell by combining the high

efficiency of hydrogen fuel cells with the simple building principles of classic methanol fuel cells. This creates the first fuel cell that can outperform combustion generators in total cost, uses a liquid fuel, and creates extra value through combined heat and power. Siqens addresses multibillion-dollar markets in mobile applications (recreation vehicles, e-mobility) and in stationary use (temporary housing, telecom towers). Presently Siqens is testing a third generation prototype. The first commercial product, ECOPORT 800, for auxiliary power on recreational boats will be field tested from mid-2015 to end of 2016. The product launch is planned for 2017.
<http://www.siqens.de>

Solelia, Sweden

Solelia Greentech charges electric cars with clean solar power. The innovation the Solbank connects producers of solar to different solar parking solutions for EV drivers. Solelia has since 2012 delivered solar charging stations to customers around Sweden. In summer 2015 Solelia launches its new solar parking services which includes solar charging in regular charging poles. In 2016 Solelia goes internationally through a large EU-project focused on smart solar charging of electric vehicles.
<http://www.solelia.se/en/>

Skeleton Technologies, Estonia

Skeleton Technologies is the leading ultracapacitor developer and manufacturer in Europe. The company's proprietary technology enables to raise the energy density 2x higher and power density 6x higher than the closest competitors. This has allowed the company to become the global market leader in high-end ultra capacitors with customers ranging from European Space Agency, leading defense companies, leading motorsports OEMs and supercar manufacturers.

The material cost counts for 70-80 % of COGS, so by using less material and having a more compact form factor we can lower the manufacturing costs of ultra capacitors over 50%. This has enabled the company to carry out pilots, field testing and negotiate MoUs with leading tier-1 automotive, grid operators and industrial machinery manufacturers.

The company has completed the R&D phase and is ready for production scale-up with a significant demand from customers driving exponential growth.

<http://skeletontech.com>

Sol Voltaics, Sweden

Sol Voltaics is an advanced material company supplying the high-growth PV industry with materials that decrease the price of renewable energy from the sun. Providing a Nanowire film allows existing solar PV module manufacturers to dramatically increase the efficiency of mc-Si modules from 16 % to extraordinary 27 %, but still at low cost. Nanowire films uses small amount of materials and consists of gallium arsenide (GaAs) nanowires, a proven high quality semi-conductor material which holds demonstrated conversion efficiency records. Sol Voltaics was founded in 2008 as a spin -out from the world leading nanotechnology research at Lund University. The company has today about 32 full-time employees led by a world class management team in Lund. Sol Voltaics has developed a proof of concept showing a strong technology and patent platform and are now focused on develop first product for the market.

<http://www.solvoltaics.com>

SPEETECT, Germany

SPEETECT stands for a more efficient and safer way of utilizing water. As a spin off from the Airbus Group, SPEETECT has developed an innovative approach to determine the total cell count of bacteria in water that produces extremely reliable results. Our first product generation is a hundred times faster than conventional solutions. Users can perform mobile or stationary analyses in real time to continuously monitor the quality of drinking water or the degree of contamination in industrially used waters. Our second product generation will be able to detect specific bacteria (legionella, E. coli,...).

<http://speetect.de/>

Tanktwo, Finland

Tanktwo is a startup with offices in New York and Helsinki, Finland that has developed a new type of battery. This battery is mostly useful in Electric Car applications as it can be re-energized in less than three minutes. Secondly, it can be produced for roughly half the cost of a traditional battery system. Additionally, fast-charging of electric cars with traditional methods will lead to a major burden on the electric grid. Tanktwo batteries can also be charged on-board or off-board when there is excess capacity.

Cheaper electric cars, without range anxiety, are made possible by the Tanktwo String Battery – a large battery pack made with thousands of small egg-shaped cells that can be handled as a bulk solid such as sugar or grain. Industrial methods for bulk material handling, primarily pneumatic conveying, are mature and cost effective, making battery swapping finally a viable method.

<http://tanktwo.com/>

Watty, Sweden

Watty is developing the next energy management tool, which will make it possible for everybody to make smart energy decisions. Getting an overview of energy spending today is very complicated, very expensive and very boring. You have to buy hardware plugs for every major appliance. Even then you cannot get things like stoves and electric boilers since they don't have a plug. Watty can identify all of the energy use in a home with a single piece of low-cost hardware. This is a new paradigm in which advanced data analysis techniques is used to make the solution both low-cost and also very valuable, since it is possible to automatically identify which energy-saving actions or products that are suitable for each home. This requires world-class machine learning competence, which is where Watty stands out against other companies in the market.

<http://watty.io/>

Wirepas, Finland

Wirepas is a pioneer of Internet of Things enabling world's largest single mesh networks. Embedded in devices from smart meters and environmental wireless sensors to home and building automation, clean tech, health care and lighting. Its unique, disruptive software solution Pino allows millions of devices to independently connect to each other to form a fully autonomous and infallible network. It connects to the Internet without any configuration, independently of any third party network manager, and brings remarkable lifetime savings to the service provider.

<http://www.wirepas.com>