

PRESS RELEASE

Q-Cells and Module24 deliver Q.SMART modules for world's largest CIGS thin-film solar power plant by GP Joule

- **Q-Cells delivers 200,000 CIGS thin-film Q.SMART modules for Solarpark Ammerland**
- **Module24 and Martin Bucher jointly develop project**
- **GP JOULE constructs solar power plant in record time of eight-and-a-half weeks**
- **With a capacity of 20.8 MWp, Ammerland is the world's largest solar power plant using CIGS thin-film technology**
- **Today (Friday) sees the plant's grand opening with Lower Saxony's premier David McAllister**

Bitterfeld-Wolfen / Heppenheim / Stuttgart, 28 October 2011 – Q-Cells SE, one of the world's leading solar companies, has sold approximately 200,000 Q.SMART CIGS thin-film solar modules to the solar company GP Joule, based in the North Frisia area of Germany. Based on this, GP Joule has constructed the world's largest solar power plant using CIGS thin-film technology, which was constructed in the record time of just eight-and-a-half weeks. The project was developed by the Stuttgart-based project developer Martin Bucher, while the company Module24 selected the premium Q-Cells products for the plant and all the companies involved. Q-Cells provided technical support during the installation phase. Today (Friday) sees the grand opening of the plant, Solarpark Ammerland, in the municipality of Wiefelstede in Lower Saxony. Approximately 100 invited guests will attend the opening; they include Lower Saxony's premier, David McAllister. Investor of the project is the bank independent investment company Aquila Capital. Information on the volume of the investment is subject to a confidentiality agreement.

The plant was installed on an area of 57ha in Wiefelstede, in the Ammerland district, which had formerly served as a military airbase. With a total capacity of over 20.8 MWp, Solarpark Ammerland will cover the electricity needs of more than 6000 households and save about 11,800 tons of CO₂ emissions annually by producing climate-friendly solar energy.



“We’re very pleased to be working with GP Joule and Module24; our cooperation demonstrates that our customers value us as a partner and trust our high-quality product applications and our technical expertise”, said Ingo Engelmann, COO of Q-Cells affiliate Solibro. “Solarpark Ammerland is a beacon project in the field of CIGS thin-film technology which proves the top performance and versatility of our Q.SMART modules.”

Marc Weißmüller, CEO at Module24 GmbH, and project developer Martin Bucher are in full agreement on their trust in Q-Cells: “Q-Cells adheres to the same high quality standards that we and our investors have upheld without compromises for many years now. The Ammerland plant is proof of the fact that CIGS thin-film modules are eminently suitable for building efficient, profitable solar power plants”, said Marc Weißmüller.

“Thanks to Solarpark Ammerland, we’ll be able to bring fallow land back to life and take a further stride along with the state of Lower Saxony towards a sustainable electricity system using renewable energy sources”, says GP JOULE CEO Ove Petersen. “The project clearly shows that there are forward-looking, efficient and economically sound usage ideas available for converted land, and that these ideas can be realised quickly and without too much bureaucratic red tape.”

Q.SMART solar modules from Q-Cells, based on CIGS thin-film technology, have the highest efficiency recorded to date in the field of thin-film modules. With efficiency ratings of up to 14.7 % in relation to aperture area, Q-Cells has held the world record for series-produced thin-film modules since 2009. The performance of Q.SMART modules receives a further boost from a “light-soaking effect” which can increase output by an average of 2.5 % above nominal output in standard field test conditions. Their capacity to produce high yields even when light is poor or the climate is hot makes Q.SMART modules suitable for a diverse range of applications, from roof-mounted systems for residential customers to commercial roof-mounted systems and large ground-mounted installations. Customers who choose Q.SMART always get what they pay for – and more besides. Q-Cells emphasises this fact by providing customers with one of the best performance guarantees in the market, which assures them of 100% output in the first three years and states that linear decline in output thereafter will be limited to a maximum of 0.7 % per year from the fourth year onward. In other words, the modules still deliver 85 % of nominal output after 25 years.

The CIGS thin-film technology at the heart of Q.SMART was developed in 1983 at the Ångström Solar Center at the University of Uppsala, Sweden, and commercially exploited from 2006 onward by the spin-off company Solibro, which was taken over by Q-Cells in 2009. Q.SMART modules are produced in the company’s manufacturing facility in Thalheim, Germany, which has a total production capacity of 135 MWp.

About Q-Cells SE

The Q-Cells Group is one of the world’s leading photovoltaics companies and offers a wide range of photovoltaic solutions, from solar cells and modules to solar power plants. Q-Cells products are developed and manufactured at its headquarters in Bitterfeld-Wolfen (Germany) and marketed via its global sales network. It also has a second production plant in Malaysia. More than 200 scientists and engineers at Q-



Cells are working to swiftly advance solar technology and achieve Q-Cells' twin aims: driving down the costs of photovoltaics quickly and permanently, and making solar power competitive. The close links between R&D and production enable Q-Cells to rapidly translate cutting-edge innovation into mass production - and underpin its ambition to be at the forefront of photovoltaic technology. Q-Cells is quoted on the Frankfurt Stock Exchange (QCE; ISIN DE0005558662) and also listed on the TecDAX, the German technology index.

Executive Board: Dr Nedim Cen (CEO), Dr Marion Helmes (CFO), Dr Andreas von Zitzewitz (COO)

Chairman of the Supervisory Board: Prof Dr Karlheinz Hornung

About Module24

Module24 GmbH & Co. KG, founded 2005, has established itself as a reliable partner for investors, bank and solar plant operators over just a few years.

The success of Module24 GmbH & Co. KG based on absolute reliability and scope of their services. They offer private and commercial investors independent. – and this completely neutral – advice, always keeping their interests in mind.

Together with experienced partners Module24 GmbH & Co. KG developed plants models with attractive rates of return. The quality of these plants is their top priority. And this is just one of their many services. They also offer and support as operators of solar plants. They implement concepts that make ecological sense effectively in cooperation with their partners.

Overall, they assume a great deal of responsibility with their holistic service range, as well as in cooperation with all of their partners, customers and stakeholders. They are focused in the environment – because regenerative energies such as solar energy are a large part of future. And on the economic aspects – because they are striving for the success of their customers in the long term, whether they are assured they are investing in “clean” green technology.

About Martin Bucher

As the “father” of open space (ground based) solar projects, Martin Bucher has been directly involved in the successful development of the world's largest solar parks. As founder and former CEO of a project development company in the field of renewable energies, he has proven his competence over more than 12 years and thus gained the confidence of property owners, communities, partners and investors.

CONTACT

Q-Cells SE
OT Thalheim, Sonnenallee 17-21
06766 Bitterfeld-Wolfen, Germany

WEB www.q-cells.com

Q-Cells Corporate Communications

Ina von Spies, Alberta Rohardt

TEL +49 (0)3494 6699 10121

FAX +49 (0)3494 6699 10000

EMAIL presse@q-cells.com



Q-Cells Investor Relations

Stefan Lissner

TEL +49 (0)3494 6699 10101

FAX +49 (0)3494 6699 10000

EMAIL investor@q-cells.com

Contact Module24 GmbH & Co. KG

Marc Weißmüller

Darmstädter Straße 42

64646 Heppenheim | Germany

Fon + 49 (0) 62 52 - 96 77 48

Fax + 49 (0) 62 52 - 96 75 43

mail@module24.de

www.module24.de

Contact Martin Bucher

Chopinstraße 64

70195 Stuttgart

TEL +49 (0)711 – 6960369

FAX +49 (0)711 - 6960358

EMAIL info@martin-bucher.de