



Arensis and Green Mark Energy Sign 2MW Project Agreement During Asia Trade Mission with Los Angeles Mayor Eric Garcetti

Tokyo, Japan—July 26, 2018-- Arensis, a leading biomass to energy system provider and license holder of Entrade Energiesysteme AG technology, and Green Mark Energy Co., Ltd (GME), a renewable energy pellet producer, have entered into an agreement for a 2MW energy project in Kumamoto, Japan. A special signing ceremony took place this week at BaseQ in Tokyo as part of Los Angeles Mayor Eric Garcetti's trade mission to Asia.



L-R: Arensis CEO Julien Uhlig, Los Angeles Mayor Eric Garcetti, President and CEO of the Los Angeles Cleantech Incubator (LACI) Matt Petersen

Through the joint project development, Arensis plans to deliver 40 Entrade E5 biomass to energy units to Japan, equaling \$15,000,000 USD worth of equipment and generating 16,000,000 kWh of electricity annually. The agreement marks the company's largest global project to date. Once finalized, GME will be the supplier of wood pellets and wood chips to be used as feedstock for the energy systems. The electricity will feed into the Japanese grid system and is being set up to be compensated under the Feed-In Tariff (FIT) scheme established in Japan to move away from nuclear power generation and support biomass solutions for periods of 20 years. Japan's current energy self-sufficiency ratio is approximately 10% and in need of localized energy sources. By comparison, the U.S. is above 90% in energy production and Germany is at approximately 40%.

“It is a great honor to partner with GME and sign our 2MW development project in the presence of Los Angeles Mayor Eric Garcetti and his Asia trade mission business delegation,” said **Julien Uhlig, CEO of Arensis**. “Based on an annual production of 16,000,000kWh, the project would help Japan avoid at least 7800 metric tons of greenhouse gas emissions each year. Compared to oil and coal energy production, this one project means a decrease of 150,000 metric tons of greenhouse gas emissions polluting our air over the course of 20 years and exemplifies the importance of renewable energy incentivized programs.”

The MOU between GME and Arensis was signed during a ceremony hosted by 31 Ventures and Mitsui Fudosan at one of Tokyo's newest and most innovative spaces, [BaseQ](#), with featured remarks by Mayor Garcetti and Matt Petersen, CEO of the Los Angeles Cleantech Incubator (LACI).

"As one of LACI's portfolio companies, we are proud to help celebrate Arensis signing this important agreement to deploy their distributed power units in Japan," said **Matt Petersen, President and CEO of the Los Angeles Cleantech Incubator (LACI)**. "This agreement will help Arensis grow and accelerate market delivery of their technology while helping to meet Japan's goal to reduce their dependency on nuclear power."

Headquartered at LACI in Los Angeles, Arensis CEO, Julien Uhlig, is among the business delegates on the Asia trade mission organized by the World Trade Center Los Angeles and the Los Angeles Business Council in partnership with the Mayor's Office. The purpose of the Asia trade mission is to attract foreign direct investment, develop trade opportunities, promote tourism, increase student and cultural exchanges to Los Angeles and advance policy cooperation on issues such as resilience, transportation, climate, innovation and sustainable Olympics planning. The Mayor and his delegation are meeting with key government and private sector leaders in Tokyo, Seoul, Hanoi, Ho Chi Minh City, and Hong Kong.

GME is a greentech project company and supplier of high quality biomass fuels. Besides biomass projects, they are planning and owning solar power projects with a total installed capacity of 30MW. As the supply of biomass fuels, especially pellets, is a bottleneck for the fast-growing sector of biomass CHP in Japan, GME is ready to jump in with approved container based pelletizing technology.

[Arensis](#) is an international provider of distributed energy systems delivering waste to energy solutions based on the world's most advanced biomass gasification technology on the market from its subsidiary German technology company, Entrade Energiesysteme AG. The E4 and recently launched E5 systems generate 50kW of electricity and 120kW of thermal energy each and fit inside a 20-foot shipping container for easy and fast deployment around the world. When combined and stacked together, Arensis/Entrade power systems can supply several megawatts of energy completely off grid and can be installed in weeks, not years. The biomass to energy units are built for primary baseload generation, producing 24/7 energy from both organic and inorganic waste materials. Arensis is a portfolio company of the [Los Angeles Cleantech Incubator \(LACI\)](#) and one of the fastest growing decentralized energy providers in the world, deploying more than 200 units in 11 countries and raising in excess of \$50 million since 2016.

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**Sources for Japan's current energy self-sufficiency ratio data include The Ministry of Economy, Trade and Industry of Japan (METI), The Institute of Energy Economics, Japan (IEEJ), and The Federation of Electric Power Companies of Japan (FEPC). Impact numbers do not account for thermal heat which is 2.4X the electricity output.*

ABOUT ARENSIS

arensis offers is a virtually integrated secure and cloud based utility company providing cost efficient electricity, heating and cooling to companies and governments world-wide. Arensis is a global partner of ENTRADE Group and Schneider Electric.



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