Siemens presents its new gas engines capable of running on different types of fuel

- They can be powered by natural gas, biogas, gas from landfills or sewage treatment plants, synthesis gas, well gas, and a wide selection of other gases to supply a variety of sectors
- Siemens' new Engine Business is developing these engines with the goal of solving the industry's primary problems
- The company has also created a new Fuel Blending solution so that a single engine can use either 100 per cent biogas or 100 per cent natural gas, or a blend of both

Siemens is presenting its new high-efficiency, low-emission gas engines at the 6th China International Bioenergy and Biomass Utilization Summit to be held in Shanghai from April 12th to 13th. One of the advantages of these new engines is that they can use a wide range of fuels to generate electricity and heat. They can be powered by natural gas, biogas, gas from landfills or sewage treatment plants, synthesis gas, well gas, or a wide selection of other gases, which means they can supply a wide range of industrial sectors.

The 6th China International Bioenergy and Biogas Utilization Summit will attract the sector's most important stakeholders, including government leaders, representatives from local energy research institutions, industrial associations, biogas engineering departments, biogas equipment suppliers, biogas purification companies, gas companies, environmental agencies and manufacturers, etc. The summit's objective is to set the foundations for the future generation of biogas, advanced biofuels and biomass energy generation, and more.

Siemens is developing these engines in its new Power and Gas division business, Siemens Engine Business, which aims to resolve and overcome many of the obstacles currently affecting industry. Together with Siemens' heavy investment in R&D and the
experience it has gained over more than 50 years, this makes Siemens Engine Business a leading international technology provider in both liquid and gas fuel engines for a wide range of applications and sectors.

Standing out among its products, high-efficiency, low-emission gas and diesel engines can be used in several applications such as cogeneration, electricity generation, waste-based energy, and more. These engines use the latest fuel injection and supercharging technologies, which boost their power, reduce their fuel consumption, and optimize their maintenance costs.

The SEB factory in Zumaia (Guipuzcoa) has spent more than fifty years designing and manufacturing high-performance engines in Spain that are exported the world over, largely to countries such as Argentina, the United States, Egypt, Morocco, Turkey, Pakistan, Singapore, Malaysia, Australia and, of course, all over Europe. The power ratings of the SEB portfolio range from 150 to 2065 kW for gas engines/generators, and from 184 to 1324 kW for diesel engines/generators.

One of the company’s most important research and development facilities is in Miñano, in the Spanish Basque Country. The company has developed a new technology at this facility that allows an engine run on 100 per cent biogas, 100 per cent natural gas or a blend of both. Summit attendees will be able to see the new Siemens Fuel Blending solution first-hand. This system enables engines to run even when the primary fuel is not available because they can change from biogas to natural gas at the press of a button. An automatic change to 100 per cent biogas takes place as soon as the engine reaches nominal speed.

This dynamic fuel blending system is especially designed for use in situations with biogas restrictions; fuel can be switched 100 per cent in such a way that the engine’s operability is not affected.

One of the main advantages of Siemens engine flexibility is that it provides a safe, efficient and reliable power supply system even when the fuel supply is interrupted.

About Siemens Spain
Siemens Spain has 3,347 employees (not including shareholders of up to 50%). The company innovates, manufactures and exports from world-class facilities in Spain
including in Cornellà (railway equipment), Getafe (mobile radiodiagnostic equipment), Rubí (electrical equipment) and Miñano (engines).

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Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world’s largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at www.siemens.com.