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Chairman of the SWM Management Board

SWM features as technology partner of the EUROCIITIES annual conference 2014

“Energising cities – energy intelligent cities of tomorrow“

SWM is the municipal infrastructure company of the Bavarian capital. We provide the city with electricity in an intelligent and future oriented manner, we enable environmentally compatible mobility, and we contribute to the fact that Munich holds a leading position worldwide, not only with regard to climate and environmental protection. As the infrastructure and mobility services provider of the citizens of Munich, we are very pleased to support our owners as technology partner in hosting this year's EURCITIES annual conference on the topic of “Energising cities – energy intelligent cities of tomorrow“. SWM will be on location at the conference with a stand, providing information on its activities in the renewable energies area, among other topics. In this context, SWM will also be holding a workshop to be rounded off by visits to two of Munich's hydropower plants (Isarwerk 2 and Praterkraftwerk). MVG, the public transportation subsidiary of SWM, will also be represented with a stand and the MVG “Infomobile“ – both providing information on sustainable mobility solutions. Moreover, MVG will also take part in a workshop on the occasion of the inauguration of Munich's first mobility station at the Münchner Freiheit bus and subway hub. SWM/MVG built the station and will operate the facility.

Intelligent and sustainable energy and mobility solutions for Munich

Renewable Energies Expansion Campaign: SWM launched this campaign in 2008. The aim is to generate sufficient green electricity to cover Munich's entire consumption by the year 2025. A budget of EUR 9 billion has been committed to this objective, and the expansion campaign is progressing successfully. On completion, the projects initiated as well as those realized to date will provide SWM with a generation capacity of around 3.5 billion kWh of green electricity.

This corresponds to almost 50 percent of Munich's total consumption. Munich and its adjacent region take priority in this expansion campaign. As the potential is limited here, activities are ongoing across Europe.

District heating vision: SWM has been expanding environmentally friendly district heating based on cogeneration systems for years. Today, with a total length of around 800 kilometres, the Munich district-heating network ranks as one of the largest in Europe. In pursuing the **district heating vision** SWM is striving to once again achieve a substantial improvement the already very good climate and resource balance of its district heating network. By 2040, Munich will rank as the first German metropolis with district heating exclusively based on regenerative energies. The further development of geothermal energy will make a major contribution in this context.

Virtual power plant: SWM has set up a virtual power plant, comprising its own units as well as partner facilities and open to additional operators of decentral generation facilities and major electricity consumers. Virtual power plants are key components of future electricity markets. At present, SWM has linked facilities involving a wide range of different energy sources (bioenergy, wind, solar and hydropower) and delivering a total output of several hundred MW. In addition, several controllable consumers are also integrated.

Promoting eco-mobility: Road traffic is one of the major sources of air pollution in our cities. A sustainable solution of the conflict between individual mobility and clean air calls for alternative, environmentally compatible drive technologies. For years, SWM has been supporting these alternatives by implementing and operating a demand-oriented refilling and recharging infrastructure for natural gas powered cars and electro-vehicles. These stations provide the M-Ecogas and M-Eco-Electricity eco-fuels (M-Ökogas and M-Ökostrom) exclusively, which means that the vehicles refilling and recharging there are running virtually emission-free.

Single source mobility solutions: MVG, the SWM public transport subsidiary, operates Munich's subway, bus and tram networks, as well as linking the public transport systems with further outreaching mobility offerings such as car sharing (MVG Multimobil) and bicycles for rent (MVG Rad, as from 2015). Currently, the public transportation share of all journeys Munich citizens embark on stands at around 30 percent. The aim is to increase this share in order to ensure that mobility in Munich is as compatible as possible with the environment and urban living, also in connection with further population growth. In order to achieve this, the offerings of the subway, bus and tram networks have been expanded by around 20 percent since 2002 alone. Thanks to these capabilities, Munich boasts one of the best public transport networks in Europe, featuring modern, environmentally compatible buses, subways, and urban railroads. Further network expansion is on the agenda.