



Solar power harvested from hazardous waste landfill

On August 17th, one of the largest photovoltaic installations on a landfill in Rheinland-Pfalz (Rhineland-Palatinate) was officially opened by the federal state's Minister of Economy, Eveline Lemke. In her welcome address, the minister emphasized the many benefits that result from the operation of the PV park; pointing out that not only will the park produce clean energy but contribute to the economic viability of the landfill at the same time. Operator is the gbs, a company for disposal of hazardous wastes in Rheinland-Pfalz (Gesellschaft zur Beseitigung von Sonderabfällen in Rheinland-Pfalz mbH).

Hamburg-based SunEnergy Europe GmbH, a PV-specialist with expertise in landfill projects, came in first in the call for tender this spring which was open for competitors throughout Europe. As EPC contractor SunEnergy Europe teamed up with local companies from the region for the numerous building activities in this large-scale project. "We are committed to working together with local and regional companies wherever we realize a project", Norman Kling, Project Engineer, says. "And we were proven right – here once again we have made good experiences with our partners and successfully finished the PV park on time."

Building activities had to meet the deadline of June 30th in order to obtain the calculated fee-in-tariff. PV installations on landfills come with a number of critical aspects which require meticulous planning and extra caution during building. Anchorage of the module tables in the ground was established using 400 foundation slabs of precast concrete.

Within only two month's construction time roughly 13,500 solar modules and 120 kilometres of cable were installed. The solar park's nominal power is 3.2 MW which covers the electricity demand of around 800 households. The production of clean energy from the landfill will reduce the annual output of hazardous carbon dioxide by nearly 2,000 tons.

We would be delighted to receive sample copies upon publication.

Please contact us should you have any queries.

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