



Site Group for Services and Well Drilling (SGSWD)

Number of Employees	275
Key Products	Well drilling services
Main Markets	Jordan, Palestine, and Saudi Arabia



Since 1993 the Site Group for Services and Well Drilling Company provides drilling services to the natural resources industry, mainly water, as well as oil & gas and mining. In 2009, the Site Group company became part of the German BAUER Group, under its Resources Division. The BAUER Group is one of the leading companies in providing services in the fields of water, mineral resources and environmental technology.

The Company participated in the project **‘Applying Eco-innovative Strategies for Chemical Risk Reduction in Jordanian Industry’**, supported financially by the SAICM Quick Start Project, with technical support from the United Nations Environment Programme, and the Cleaner Production Unit of the Royal Scientific Society. Its aim is to reduce environmental impacts and health risks associated with the use of hazardous chemicals in their water-well drilling services, in particular in the production, handling and disposal of the liquid foaming agent, used in the fluid drilling method (FDM).

Eco-Innovation

Site Group distinguishes among its competitors for producing a liquid foaming agent on-site, manually manufactured on project demand basis with substances such as caustic soda, sulfonic acid, water, and if stored for more than three months, a preservative is

added. The company uses this kind of foaming agent only in water drilling services, which provides technical advantages such as subsurface pressure control, stabilize the wellbore, and corrosion control. However, some of the chemical substances used in the foaming agent production pose significant health risks due to occupational exposure, either by inhalation or dermal contact. For instance, sulfonic acid is known for being corrosive to tissues (eyes, skin, and mucous membranes). Environmental negative impacts are also associated with certain chemical substances used in the production of the foaming agent, which include being considerably toxic to aquatic organisms.

Despite the technical gains of the foaming agent, and acknowledging the environmental and human health impacts from the associated chemicals, Site Group implemented the Eco-innovation approach, developing a new business strategy aiming at becoming the leading company in Jordan and regional markets, delivering high quality drilling services in compliance with the highest industry standards, recognized by innovative drilling practices and use of less hazardous substances, and committed to reducing risks on human health and the environment.

To achieve these objectives, the company committed to producing a new foaming agent formulated with less hazardous substances and manufactured with a fully automatized process. This will result in significantly fewer health risks to the company's staff caused by occupational exposure and contact, and reducing environmental damages to soil and water resulting from the foaming agent use and discharge.

With the new foaming agent, Site Group aims at offering an innovative value to their water-well drilling services, expecting to improve their competitiveness and have better position against competitors in the domestic market; especially for tendering for drilling contracts from international organizations. In addition, with these sustainable innovations, the company aims at securing 15% share of the Saudi Arabian market by 2020.