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**P R E S S
R E L E A S E**

Tenova Pyromet gets innovative in Norway

Johannesburg, 14 April 2008. Elkem Solar, a division of Elkem – which manufactured and supplied furnaces until around 15 years ago – chose Tenova Pyromet for the realization of one 3,5 MVA furnace in Kristiansand, Norway.

Elkem is one of the world's leading companies for environment-friendly production of metals and materials, with principal products including aluminium, energy, silicon metal, special alloys for the foundry industry, carbon and microsilica.

Tenova Pyromet's scope of supply covers the 3,5 MVA furnace, including the furnace roof, the cooling system, tapholes, taphole drill and clay gun, pre-baked graphite electrode system, raw materials handling, secondary electrical system and all instrumentation and controls. Top technology of Pyromet supply is the new generation furnace controller and lining management MAXICOOL® system – an intensive cooling system for liquid bath operations designed for heat loads of up to 500 kW/m². Unlike all previous Tenova Pyromet applications, this furnace will use special mineral based oil as the cooling fluid. This meant that the cooler design had to be reviewed to accommodate the oil.

"The primary reason for using the oil is safety," says Tenova Pyromet Director **Hugo Joubert**. "While an oil leak may cause burning, it is slow enough to allow people to evacuate the site. Water, however, may cause an explosion and endanger lives." Cooling intensity was reviewed to ensure that the system is able to cope with the oil and this innovation is something that may be considered for other applications where safety is a vital issue.

The furnace is expected to be commissioned in June/July this year. Tenova Pyromet and Elkem Solar signed a confidentiality agreement to protect the intellectual property of both parties, including new developments forming part of this innovative and stimulating project.

Tenova Pyromet has extensive experience in the design and construction of smelting plants and furnaces, both in South Africa and internationally. Tenova designs and supplies advanced technologies, products and services for the metal and mining industries. Tenova operates close to its customers through a network of 30 companies based in 16 different countries. For more information visit our website at www.tenovagroup.com