

L3 MAPPSS to Upgrade Eskom's Koeberg Simulators

MONTREAL, QC, CANADA, February 28, 2017 /EINPresswire.com/ -- L3 MAPPSS announced today that it has signed a contract with Eskom Holdings SOC Limited (Eskom) to perform a multi-phase project to prepare the two Koeberg Power Station operator training simulators for the steam generator replacement that is taking place on the actual plant units.

“We have been supporting Eskom since 2002 and have thoroughly enjoyed working together on interesting and challenging projects that deliver innovative technological solutions,” said Michael Chatlani, Vice President of Marketing & Sales for L3 MAPPSS Power Systems and Simulation. “We are very pleased to continue our collaboration with Eskom as we roll out this new project.”

“Eskom and L3 MAPPSS have made significant achievements together toward enhancing the operator training program at Koeberg through our collective work on the simulators,” said Willem van der Sandt, Project Manager, Strategic Nuclear Projects at Eskom’s Koeberg Operating Unit. “We look forward to the same collaborative approach as we move forward with this latest upgrade effort.”

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Willem van der Sandt, Project Manager, Strategic Nuclear Projects, Eskom

In the first phase, set to be completed in the first quarter of 2018, L3 MAPPSS will replatform the two simulators from PC/Linux® simulation servers to new PC/Windows®-based computers running L3’s latest Orchid® simulation environment. L3 MAPPSS will also replace the existing Comet™ reactor core model with Comet Plus™ models. The new models, which solve the diffusion equations by using the Nodal Expansion Method, will be graphically generated and managed with Orchid Core Builder.

During the second phase, the existing steam generator models will be updated to account for the changes resulting from the new steam generators that will be installed at the plant.



Second Koeberg Power Station Operator Training Simulator

Second Koeberg Power Station Operator Training Simulator

Finally, following completion of the plant modification, the third phase will see a further update to the new steam generator models to ensure that the models are behaving in the exact same manner as the newly commissioned steam generators on the plant.

Eskom generates approximately 95 percent of the electricity used in South Africa and approximately 45 percent of the electricity used in Africa. Eskom generates, transmits and distributes electricity to industrial, mining, commercial, agricultural and residential customers. Additional power stations and major power lines are being built to meet rising electricity demand in South Africa. Koeberg Power Station is currently the only nuclear power station on the African continent. It is situated at Duynefontein, 30 kilometers northwest of Cape Town in South Africa on the Atlantic coast. Koeberg, with two pressurized water reactor units and the largest turbine generators in the southern hemisphere, produces 1,860 megawatts of power and ensures a reliable supply of electricity to the Western Cape Province.

L3 MAPPS has over 30 years of experience in pioneering technological advances in the marine automation field and over 40 years of experience in delivering high-fidelity power plant simulation to leading utilities worldwide. In addition, the company has more than four decades of expertise in supplying plant computer systems for Canadian heavy water reactors. L3 MAPPS also provides targeted controls and simulation solutions to the space sector. To learn more about L3 MAPPS, please visit the company's website at www.L3T.com/MAPPS.

Headquartered in New York City, L3 Technologies employs approximately 38,000 people worldwide and is a leading provider of a broad range of communication and electronic systems and products used on military, homeland security and commercial platforms. L3 is also a prime contractor in aerospace systems, security and detection systems, and pilot training. The company reported 2016 sales of \$10.5 billion. To learn more about L3, please visit the company's website at www.L3T.com.

Safe Harbor Statement Under the Private Securities Litigation Reform Act of 1995

Except for historical information contained herein, the matters set forth in this news release are forward-looking statements. Statements that are predictive in nature, that depend upon or refer to events or conditions or that include words such as "expects," "anticipates," "intends," "plans," "believes," "estimates," "will," "could" and similar expressions are forward-looking statements. The forward-looking statements set forth above involve a number of risks and uncertainties that could cause actual results to differ materially from any such statement, including the risks and uncertainties discussed in the company's Safe Harbor Compliance Statement for Forward-Looking Statements included in the company's recent filings, including Forms 10-K and 10-Q, with the Securities and Exchange Commission. The forward-looking statements speak only as of the date made, and the company undertakes no obligation to update these forward-looking statements.

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Sean Bradley
L3 MAPPS
+1 514 787-4953
email us here

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