

Framatome and Lockheed Martin join forces to provide additional solution for US nuclear plant instrumentation and control

July 23, 2020 – Framatome and Lockheed Martin recently signed a teaming agreement that will integrate Lockheed Martin's Discrete Logic Solving System (DLSS) into proven Framatome instrumentation and control (I&C) nuclear plant modernization solutions. This additional analog solution combines the companies' technologies and supports the safety and reliability of nuclear power plants.

The [I&C system](#) serves as part of the plant's "central nervous system." It provides operators with critical information on plant operation, allows them to control various plant safety systems during routine operations and automatically protects the reactor, if needed.



"With Lockheed Martin's Discrete Logic Solving System now part of our I&C portfolio, U.S. customers will have access to additional analog-based safety solution options for upgrading their existing equipment," said Clayton Scott, senior vice president, global sales, and deputy for the I&C Business Unit at Framatome. "While Framatome focuses on helping our U.S. customers transition to digital I&C systems, it's important that we continue to serve our non-digital customers with safe and reliable solutions."

[DLSS](#) is one of Lockheed Martin's non-digital I&C solutions, offering effective applications for nuclear systems that currently employ analog technology. It supports operational measures of nuclear plant systems by monitoring, calculating and activating plant interfaces.

"Lockheed Martin is proud to partner with Framatome in support of incorporating DLSS on future nuclear energy I&C modernization efforts," said John Pericci, Lockheed Martin Nuclear Systems & Solutions program director. "For more than 60 years, we have provided safety critical nuclear I&C systems to commercial and U.S. government customers, enhancing operation and reliability in the industry."

In 2019, Framatome and Lockheed Martin partnered to complete the first installation and site acceptance testing of a new [Engineered Safety Features Actuation System \(ESFAS\)](#) replacement that included DLSS. A second installation at the same plant took place earlier this year. Both systems are fully operational and meeting all requirements.

DLSS is a registered trademark of Lockheed Martin.

About Framatome

Framatome is an international leader in nuclear energy recognized for its innovative solutions and value added technologies for the global nuclear fleet. With worldwide expertise and a proven track record for reliability and performance, the company designs, services and installs components, fuel, and instrumentation and control systems for nuclear power plants. Its more than 14,000 employees work every day to help Framatome's customers supply ever cleaner, safer and more economical low-carbon energy. Visit us at: www.framatome.com, and follow us on Twitter: [@Framatome](#) and LinkedIn: [Framatome](#). Framatome is owned by the EDF Group (75.5%), Mitsubishi Heavy Industries (MHI – 19.5%) and Assystem (5%).

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About Lockheed Martin

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 110,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. Drawing on nearly nine decades of engineering energy solutions across the enterprise, Lockheed Martin Energy – a Lockheed Martin line of business – advances resilient, clean and safe energy technology around the globe by delivering innovative energy storage systems and nuclear instrumentation and control solutions. For additional information, visit our website: www.lockheedmartin.com/energy.

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