

Exxelia empowers Chandrayaan 3's successful launch with cutting-edge components

August 25, 2023 - Paris, France – Exxelia, one of the world leaders in high-performance passive component design and manufacturing, is proud to announce that its capacitors, magnetics and EMI Filters have been selected for use in the Indian Space Research Organisation (ISRO) Chandrayaan 3 mission.

In a remarkable achievement for space exploration, the successful launch of Chandrayaan 3 marks a significant milestone for India's space program. This mission, powered by cutting-edge technology and precision engineering, is not only a testament to human innovation but also showcases Exxelia's pivotal role in the journey to the stars. As a key supplier of capacitors, EMI Filters, and magnetics for Chandrayaan 3, Exxelia has contributed to the mission's success in ways that go beyond the skies.

"We are honored to have been a part of the supplier base for this remarkable spacecraft and to have been part of this historic mission. Our ability to supply these products reflects the unique and talented Team Members we are fortunate to lead at our companies, along with the high-quality components our companies have developed over time." - Paul Maisonnier, Exxelia's CEO

Capacitors CTC21 & CTC21E :

Exxelia's capacitors are at the heart of Chandrayaan 3's electronics systems, ensuring stable and reliable power distribution throughout its journey. Operating in the extreme conditions of space, these capacitors exhibit exceptional performance, with the ability to withstand radiation, temperature fluctuations, and mechanical stress. As the spacecraft navigates its way to the lunar surface, Exxelia's capacitors provide the energy storage needed to drive critical systems.

About Exxelia

Exxelia is a leading global designer and manufacturer of high performance passive components and subsystems with factories in France, Morocco, United States, India and Vietnam. Exxelia's product portfolio includes a wide range of capacitors (film, tantalum, ceramic and electrolytic capacitors) and ruggedized magnetic products (inductors, transformers, rotor, stator, etc.), resistors, slip rings, position sensors, medical sensors and high-precision mechanical parts. Recognized worldwide for its advanced design and technical expertise, Exxelia develops both "catalog" and "custom" products exclusively serving high-reliability markets such as aeronautic, space, defense, medical, transportation, telecommunication infrastructure and advanced industrial applications. Additional information can be found at exxelia.com.

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EMI Filters (EMI Filters SFP & SFC):

EMI Filters from Exxelia bring a new dimension of efficiency and durability to Chandrayaan 3's onboard electronics. With their remarkable switching speed and low power consumption, Exxelia's EMI Filters enable seamless data processing and communication, even in the challenging environment of space. The reliability of EMI Filters ensures that the spacecraft can continue to function optimally, collecting and transmitting valuable data back to earth.

Magnetics MPC1 10000 & Magnetics SESI 14 & SESI 18 :

Exxelia's magnetics form an integral part of Chandrayaan 3's navigation and guidance systems. These components provide precise control over the spacecraft's orientation and trajectory adjustments. As the spacecraft maneuvers through space, Exxelia's magnetics contribute to maintaining its correct orientation, enabling Chandrayaan 3 to stay on course as it embarks on its lunar journey.



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