Tekna titanium powder to be qualified for material standards certified by FAA, EASA and DOD

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Tekna Holding AS will be participating in a qualification program for titanium (Ti64) that is certified by the U.S. Federal Aviation Administration (FAA), the European Union Aviation Safety Agency (EASA), and U.S. Department of Defense (DoD) suppliers.

(Arendal, NORWAY / Sherbrooke QC, CANADA – May 3rd 2021) Tekna Holding AS (Tekna, OSE:TEKNA), the world-leading provider of advanced materials to industry, has accepted an invitation from the National Center for Advanced Materials Performance (NCAMP) to participate in a major aerospace qualification program. The generated data will be posted in The Metallic Materials Properties Development and Standardization (MMPDS) Handbook which is an accepted source for metallic material, recognized by the FAA, U.S. Department of Defense (DoD), and the National Aeronautics and Space Administration (NASA). Parts produced with Tekna's powder material, qualified under this program, will automatically pass the initial design phase and analysis by those entities.

Tekna titanium (Ti64) powder will be included in reports hosted by the NCAMP and America Makes.

Tekna's customers benefit with a faster parts approval process. Jerome Pollak, Sales and business development director for Americas, explains: "Let me give you an example: Let's say that a company wants to use Tekna material for building an aircraft part and they approach the FAA. As part of their plan, they will have to tell the FAA what material and process they intend to use and what material database they are using. If they can tell the FAA that they are using a database hosted by NCAMP or MMPDS and that the data was certified through those approved processes then they get to move on to the next phase of the program. If they can't say that, then the FAA will require them to go through a costly, time-consuming qualification process of at least one year. By qualifying Tekna powder upfront, we give our customers a significant head start."

Royal Lovingfoss, Director of NCAMP, a part of the National Institute for Aviation Research at Wichita State University says: "We are happy to have Tekna engaged in this program considering they are already approved by many major aerospace companies."

"Tekna is proud to participate in this qualification program certified by the FAA and other aviation agencies! We have a strong reputation in our field and participating in this program will further help the industry shorten the qualification cycle and accelerate growth. This is the natural next step that follows Tekna's recent successful qualifications with major aerospace OEMs such as Boeing" says Luc Dionne, CEO at Tekna.

About NCAMP

The National Center for Advanced Materials Performance (NCAMP), works with the FAA and industry partners to qualify material systems and populate a public shared materials database. NCAMP began as a FAA-funded program within the National Institute for Aviation Research at Wichita State University, stemming from NASA's Advanced General Aviation Transport Experiment (AGATE). Instead of qualifying an entire material system, manufacturers can select a system from the NCAMP database, prove equivalency and gain FAA certification, saving time and money compared to the traditional qualification approach. Material suppliers can work with NCAMP to qualify material systems, independent of an aircraft certification program; allowing suppliers to widely market materials with generated allowables and FAA certification.
www.wichita.edu/research/NIAR/Research/ncamp.php

About MMPDS

Metallic Materials Properties Development and Standardization (MMPDS): The primary source of metallic materials and fasteners used in many different commercial and military aerospace applications around the world. Produced in partnership with government, industry and educational professionals experienced in the application and use of statistically based properties. Recognized by certifying agencies within their limitations: including FAA, DoD and NASA.

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About Tekna Holding AS

Tekna is a world-leading provider of advanced materials to industry, headquartered in Sherbrooke, Canada. Tekna produces high-purity metal powders for applications such as 3D printing in the aerospace, medical and automotive sectors, as well as optimized induction plasma systems for industrial research and production. With its unique, IP-protected plasma technology, the company is well positioned in the growing market for advanced nanomaterials within the electronics and batteries industries. Building on 30 years of delivering excellence, Tekna is a global player recognized for its quality products and its commitment to its large base of multinational blue-chip customers.

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Attachments

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