NEWS RELEASE

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LPW Technology and APWORKS announce a strategic partnership to strengthen its AM metal powder portfolio with the release of Scalmalloy®

08 November 2017: Runcorn, UK: LPW Technology Ltd has formed a strategic partnership with AIRBUS APWORKS GmbH to supply its high-performance Scalmalloy® aluminium-magnesium-scandium alloy to the additive manufacturing sector.

“As the market leader in the development, processing and supply of high quality metal powders and software solutions for the AM industry, we are continually expanding our materials range to enable new applications and productionisation of the technology” says Ben Ferrar, LPW’s Chief Operating Officer. “Expanding our metal powder range to include Scalmalloy®, with its high strength, lightweight characteristics, enables manufacturers to access the technological and commercial benefits this proven metal AM alloy has to offer.”

Building on its experience in the aerospace sector, metal powder manufacturer LPW is aligning strategically with internationally recognised APWORKS to support the global requirements for high-strength aluminium with Scalmalloy®. LPW is accredited to AS 9120A for aerospace, implementing robust quality management processes that assure the integrity of the tightly controlled metal powders it supplies to safety-critical sectors world-wide.

“ Compared to all other aerospace aluminium alloys, Scalmalloy® offers a unique level of corrosion resistance, its high strength to weight ratio makes it perfect for light-weighting applications, crucial to optimising the build to use ratio in component design. Scalmalloy® enables the lowest buy-to-fly ratio compared to conventionally designed and manufactured parts,” adds Ben.

Scalmalloy® is the world’s first material specifically developed for AM and, due to its high cooling rates and rapid solidification, it possesses a unique microstructure which remains stable at high temperatures. It offers exceptionally high fatigue properties, weldability,
strength and ductility compared to other aluminium alloy powders, which makes it particularly well-suited to aerospace, transportation and defence applications, among many others.

Chief Sales and Marketing Officer of APWORKS, Sven Lauxmann, comments, “Partnering strategically with an AM metal powder specialist such as LPW further strengthens the Scalmalloy® supply chain, supporting APWORKS vision to expand the industrial application of AM technologies and solutions across the sectors. With LPW Technology we have found a reliable and strongly AM focused partner to create an excellent synergy between their significant expertise in the production and global marketing of materials and APWORKS' intensive experience in processing Scalmalloy® in 3D printing.”

APWORKS focuses on designing holistic additive manufacturing solutions, from design for AM through to the development of new materials and into prototype or qualified serial production for industries from aerospace to robotics, automotive, mechanical engineering, tooling and medical technology.

For more information on LPW’s comprehensive PowderRange, visit www.lpwtechnology.com or see us at formnext in Hall 3.1 at booth D48. Visit APWORKS at formnext in Hall 3.1 at booth E69 and learn more about the possibilities of Scalmalloy® for your applications. More about Scalmalloy® can be found also at: http://www.apworks.de/scalmalloy/

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Bionic Armrest

Bionic Partition
Editor’s notes:

About AIRBUS APWORKS GmbH:

As a 100% subsidiary of Airbus, AIRBUS APWORKS GmbH makes proven aerospace technologies accessible in many different industries. Focusing on metal 3D printing (additive manufacturing) the company covers the entire value chain, from optimized component and part design to the choice of suitable materials, from prototyping to qualified serial production. Customers in robotics, mechanical engineering, automotive, medical technology and aerospace benefit from functionally integrated and optimized parts with reduced weight and lead time. 3D printing also allows much more complex geometries than were previously possible. AIRBUS APWORKS GmbH has been located on the Ludwig Bölkow Campus in the south of Munich since 2013.

About LPW Technology

Established in 2007, LPW Technology is the market leader in the manufacture, development and processing of high-quality metal powders for additive manufacturing, and provides a comprehensive range of solutions and services for the AM industry. These include the development of new alloys and expert application support, and innovative end-to-end solutions for AM.

LPW’s PowderRange is a series of fully optimised, off-the-shelf powders for AM, supplied to quality management standards AS 9120, AS 9100, ISO 9001 and ISO 13485, and dispatched within 24 hours of receipt of order. Every PowderRange powder is shipped with a test certificate, adding assurance that the consistency and specification have been checked and confirmed in LPW’s laboratories.

PowderLife is LPW’s AM suite of powders, products and solutions designed to support AM in production. AM metal powders are tailored to individual customer specifications with hardware and software solutions to deliver material traceability and control through repeated builds.

LPW Technology will be relocating its headquarters to its purpose-built, metal AM powder manufacturing facility near Liverpool, UK, in 2018. In June 2014, the company established its US operation, LPW Technology Inc., situated near Pittsburgh, Pennsylvania, providing analytical services, product inventory and sales support to North and South America.

From these locations the organisation supplies high quality, certified powders to a global customer base including the aerospace, medical and automotive industries. LPW has sales operations in Germany, Italy and France, and a global network of resellers in China, India, Israel, Japan, Korea, Portugal, Russia, Singapore, South Korea, Taiwan, Turkey and Vietnam.

LPW and PowderLife are the registered trademarks of LPW Technology Ltd.

LPW Technology is the proud recipient of the Queen’s Award for Enterprise in International Trade 2016.