

Press release

Material traceability key in industrial Additive Manufacturing for certified aerospace applications

Additive Industries and LPW sign agreement to integrate powder management for its MetalFAB1 systems

Eindhoven (The Netherlands) / Widnes / London (UK) – At the Farnborough International Airshow in London, LPW Technology and Additive Industries today confirmed their collaboration on integrated industrial additive manufacturing of metal parts for high-end applications like aerospace. LPW Technology CEO Dr. Phil Carroll and Jan-Cees Santema, Additive Industries' Sales Director Europe signed a commercial agreement for Additive Industries to offer the powder management solutions of LPW as an integral part of the MetalFAB1 systems and supporting Additive World Platform. This allows Additive Industries customers to automatically load powder into the MetalFAB1 systems in inert conditions and record the main characteristics of the metal powders during their lifecycle from metal powder manufacturing to part production. Especially in series production of qualified parts, this closed loop system is key in reducing the risk of contamination and potential variations in the powder performance as a result of exposure to oxygen and humidity.

Dr Phil Carroll, CEO of LPW Technology commented that “Viewing Additive Manufacturing from the perspective of the metal powder is what has driven the development of our PowderLife metal powder atomization, powder transport, delivery and traceability system. Our PowderEye sensors ensure that the powder environment is closely monitored during transport and throughout the metal AM process. We are delighted that Additive Industries has chosen to adopt this approach as part of their integrated industrial additive manufacturing system”.

Commenting on the partnership, Daan Kersten CEO of Additive Industries noted that: “We have been working with LPW for years and share the vision on full automation and integration. Integrating the LPW Powder Hopper solution and PowderSolve software in our MetalFAB1 systems and software allows our customers to accelerate the manufacturing of industrial quality parts and store all data in one place. The integrated supply of powder combined with full traceability closes the loop to produce certified parts in regulated environments like aerospace and healthcare. Moreover, the automated and closed powder loading system cuts manual labour significantly and reduces operator exposure to powder providing a safe and healthy work environment. The long-term relationship between LPW Technology and Additive Industries has resulted into this innovative powder handling system”.

Both companies are exhibiting at Farnborough International Airshow in Hall Aerospace 4.0

Additive Industries stand 5346

LPW Technology stand 5150

<End of press release>



[More information](#)

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About Additive Industries

Additive Industries is accelerating industrial additive manufacturing of high quality, functional, metal parts by offering a modular end-to-end 3D printing system including a seamlessly integrated information platform to high end and demanding industrial markets. With substantially improved reproducibility, productivity, and flexibility, Additive Industries redefines the business case for series production of additive manufacturing applications in aerospace, automotive, medical technology and high-tech equipment.

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About LPW Technology

Established in 2007, LPW Technology is the market leader in the primary 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 is headquartered in its purpose-built, metal AM powder manufacturing facility near Liverpool, UK, in 2018 and has a 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.