



Metalvalue SAS



June 23rd 2015

Metalvalue SAS (France) and Questek Innovations LLC (USA) have signed today a R&D cooperation agreement to combine their respective know-how and expertise to develop new material parts.

QuesTek Innovations LLC is a recognized leader in Integrated Computational Materials Engineering (ICME). ICME methodologies and QuesTek's ICME tools are extremely effective in reconfiguring the materials development process and in accelerating the implementation of new higher performance alloys and alloy powders into demanding applications. New alloys and alloy powders, meeting specific desired property goals, can be computationally designed much more quickly, and at less cost than empirical trial and error methods. This is achieved at the design stage by specifying and developing the precise chemical composition and processing parameters of the required material, using extensive thermodynamic and kinetic databases, ICME computational tools, materials science, applied mechanics, quantum physics and advanced properties modeling. Furthermore, QuesTek's Stage-Gate approach and experience are applied to ensure successful, timely prototyping and production scale-up.

Metalvalue SAS (a subsidiary of Metalvalue Ltd) is dedicated to the development of a breakthrough technology (MMS-Scanpac[®]) able to manufacture metallic parts from gas-atomized powder with full density.

Metalvalue is established in France and Sweden (Bofors Bruk) as a manufacturer of metallic parts and adiabatic compaction presses.

The proprietary technology (more than 7 patents) combines original steel making process, efficient atomization, powder coating and a combination of compaction methods, including adiabatic compaction.

The process, allows significant energy and material savings. It allows to substitute forged parts at lower cost with standard (or better) properties.

Already committed to delivering to the customers cost savings compared to conventional metallurgy processes for the materials of today, the cooperation with Questek will allow Metalvalue to produce the materials of the future. Both companies see a great potential in this cooperation.