



voestalpine High Performance Metals

Martin Beaton, VP Innovation, martin.beaton@voestalpine.com

- voestalpine is a globally leading technology and capital goods group with a unique combination of material and processing expertise. With its top-quality products and system solutions using steel and other metals, it is a leading partner to the automotive, consumer goods, aerospace and oil and gas industries.
- Active in Canada since 1953
- Historical core in tool steel sales and distribution, investments to build comprehensive portfolio of value added services: Heat Treatment, Coatings, Engineering Services and Additive Manufacturing (AM)
- Employees: 125 Canada, 625 North America, 2 000 Division, 51 600 Global







Serving industry with 'Concept to Component' capabilities Application Process Powder Metal Design / AM Building AM Post Heat Final Machining Parameter Polishina Coatings Development Simulation/ Technology Processina Treatment Development Benefits **Developing & Formulating** Component Delivery Ready for Customer Needs **Complete Production Solutions Assembly** voestalpine Additive Manufacturing Centers Post-Processing for Final Functional Part Bohler, Uddeholm, **AM Powder Producers** voestalpine Engineered Products & Solutions voestalpine eifeler Coatings voestalpine Thermo-Tech **Partners**







DNE STEP AHEAD.

- Partnerships we are seeking:
- Smart sensors in AM parts, interrogator systems, control systems
- Targeted AM powder development
- AM repair of tools and dies, mobile repair solutions
- Novel AM applications for serial production
- High Pressure Die Casting/Powder Injection Molding applications
- Hot Isostatic Pressing HIP capacity and related R&D
- E-commerce Channels: AM design, simulation, order-entry
- Printing high C materials, printing composite materials

voestalpine

- Global reach, deep resources
- World-class materials experience
- Full solution provider

Value Chain Partners

- Front end: access to markets
- Back end: access to capacity and capabilities
- Market & application development



Ecosystem targeting where:

- Value is created
- Value is recognized
- Value is monetized



Academic Partners

- Fundamental research
- Leading edge knowledge
- Extended bench
- Talent pool



Technology Partners

- Access to know-how
- Access to IP
- Application development

