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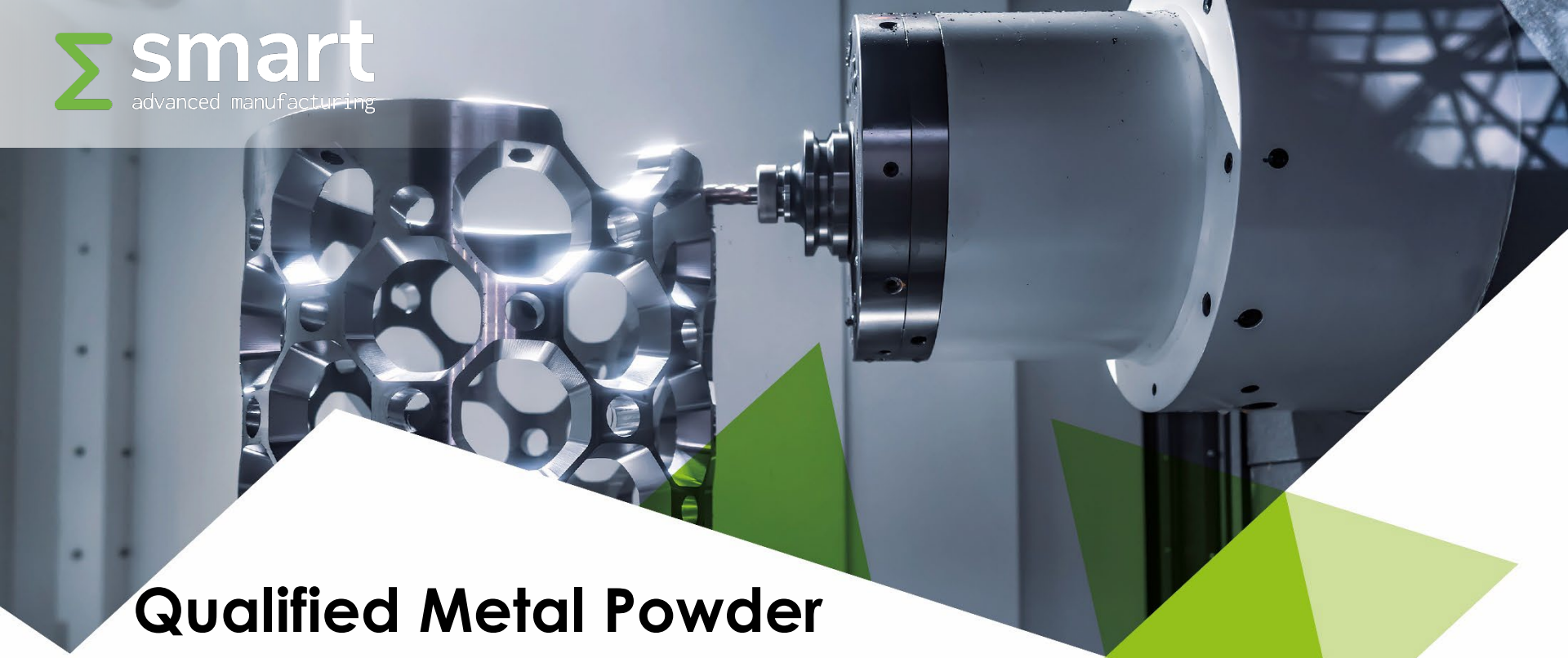

Qualified Metal Powder Marketplace

Smart materials information exchange to aid innovation and sustainability


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MaterialsInformation Ltd

Applying
cyber-secure, collaboration-ready
technology
to materials information
in high value engineering and materials
producers.

- 8-month-old startup but with 12 years in materials information.
- 5 full-time and 6 contributors to
- building a big-data, M.L enabled to address multi-scale materials design, through product manufacturing and recycling.
- Wide project experience across Innovate UK and Horizon 2020 projects.

PROPOSAL INTRODUCTION (I)

Vision:

- **Simplify** the process of selecting and using metal AM powders with confidence in quality, performance, compliance and sustainability
- **Enable** materials producers to collaborate quickly with customers with rich, accurate data that speeds decisions, reducing repetitive testing and protects I.P
- **Secure** specification and property information across producers, manufacturers and end users to provide traceability, digital thread and compliance and respect information ownership a visibility

Motivation:

- Today's problem:
    - AM is material supply limited with problems of price, availability, quality, high cost of entry to the market and high cost of qualification and validation of new powders.
- Therefore:
    - Same powder and parameters in machines and produce high price, over-engineered, long lead time parts and low return on investment and growth in AM adoption.

Content:

- Configuration of the marketplace and definition of the services that are useful to powder producers, test houses, AM customers and materials innovators

PROPOSAL INTRODUCTION (II)

Expected outcome:

- **Creation and launching** of an AM materials marketplace with representatives and services across the AM materials process
- **Market research and adoption** with a community and practical experience of commercial and technical collaboration on materials and services.

Impacts:

- **More variety of materials used** - in printing parts, with less waste, greater reuse.
- **More printing** – to help low volume manufacturing and prototyping
- **Greater confidence** - in the powder selection and qualty
- **More materials innovation and collaboration**

Schedule: start and end dates for the project. Duration.

- January 2025 – or when people want to join!

PARTNERS

Current Consortium: list of partners already involved in the project

MaterialsInformation Ltd	UK
Moov Inv	Canada
NXGam	UK

Partner search: type of partner searched and countries of origin (if necessary).

All welcome! **All type** Materials producers, academics, AM part manufactures and end users – in industries where traceability and part performance matter.

CONTACT INFO

Contact info: of the person coordinating the project proposal

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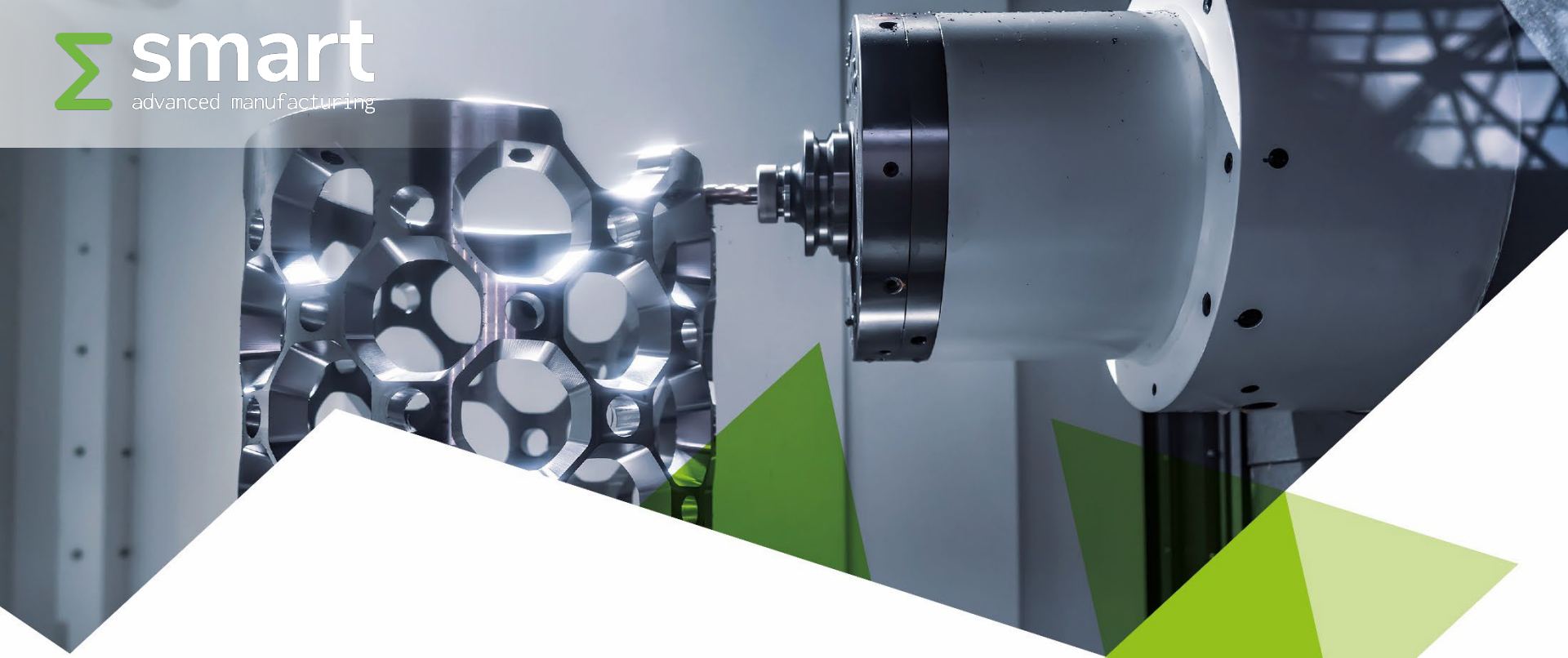

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