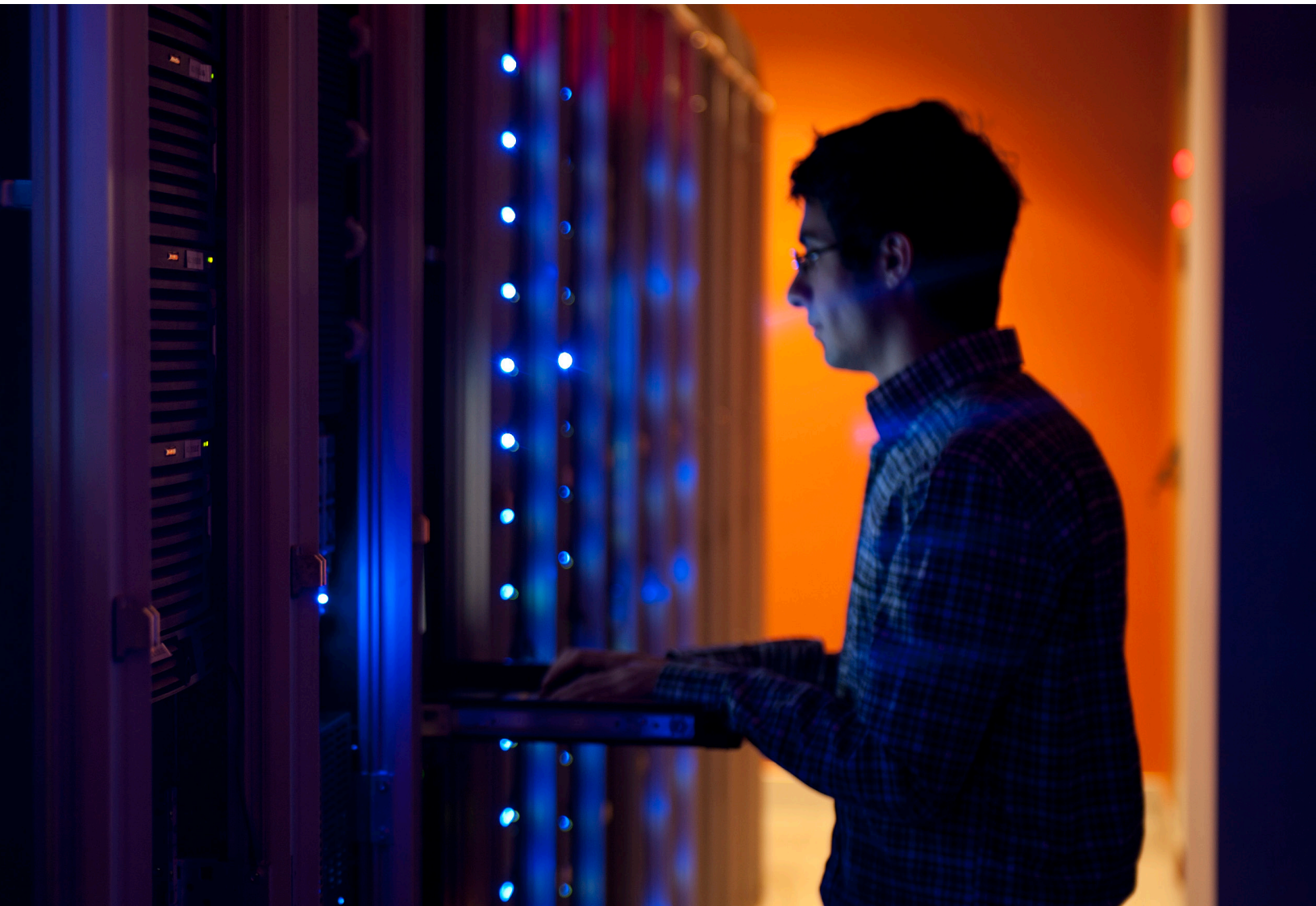VISTORY
BUILDING BRIDGES

Identify3D®

Improving Your Smart Factory Floor's Security

stratasys

Overview

Additive manufacturing allows for never before seen agility in manufacturing. From custom medical parts, to replacement part production on the spot, additive manufacturing allows companies large and small to create the parts they need faster and cheaper than ever before.

As additive manufacturing becomes more intertwined in traditional manufacturing, the need for security along the digital thread becomes more paramount.

Ensuring Security on the Factory Floor with Vistory

Vistory and their product MainChain, work to ensure digital trust along the digital thread through their digital warehouse.

Vistory has a two pronged approach to supporting the adoption of secure additive manufacturing:
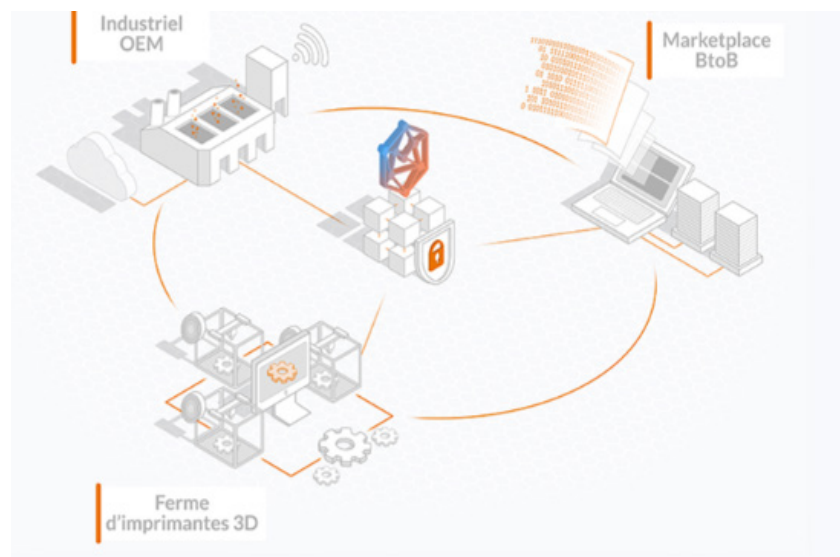
Phase 1:

1. **Simplify Parts Qualification**: Determine the feasibility and ROI of additive manufacturing parts.

2. **Secure Digital Warehouse** (MainChain): Enable distribution and monetization of qualified parts.

3. **Production**: Manufacturing parts who industrial property and printers belong to the customer.

4. **Diversification**: Production extension to OEM's parts.

5. **Scaling Up**: Integration with purchasing processes, ERP and industrial information systems.

Phase 2:

1. **Ordering System**: Receive an order.

2. **Order Production**: Check if part exists; if not, 3D print it.

3. **Delivery**: Deliver the part on time to your customer.

> "A secure digital supply chain with MainChain enables traceability from the design to the printed part. You need to create trust between you and your customer."

Alexandre Pédemonte
Vistory CEO

Ensuring Security on the Factory Floor with Identify3D

Identify3D is a leading software company that provides security, usage control and traceability of design and manufacturing data across the supply chain, from CAD/CAM applications down to manufacturing machines.

With their network of digital manufacturing software and hardware partners, Identify3D delivers intellectual property protection, manufacturing process repeatability, machine connectivity, and traceability to empower distributed manufacturing.

Identify3D addresses these issues. Its technology assures a 3D Model-Based and Technical Data Package owner will have complete control over who, when, and how it is accessed and used for digital manufacturing.

Full visibility of the end-to-end data workflow via the provided machine connectivity ensures authenticity of the part and integrity of the digital supply.
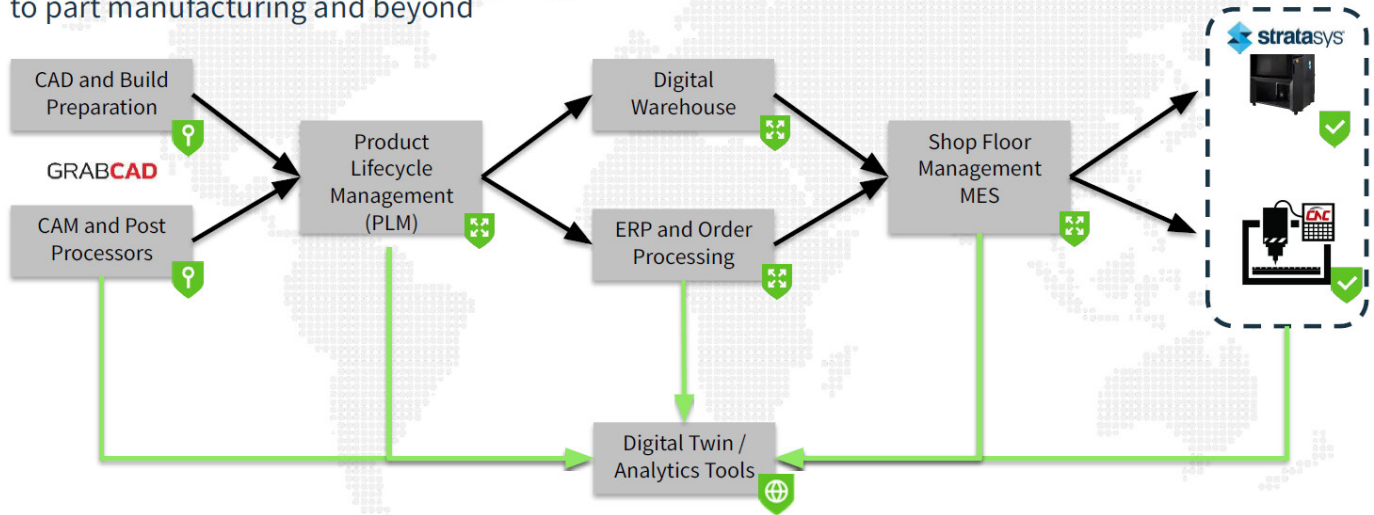
Key Issues in Distributed Digital Manufacturing

1. Engineering: Unprotected manufacturing data are now open to unintentional or malicious modifications or exposed to being stolen.

2. PLM tools do not protect all the way to the manufacturing point.

3. Digital Warehouse may be uncontrolled with unverified access to sensitive IP or export-controlled data.

4. Shop Floors: How to control the data and the process all the way to the manufacturing device, making sure parts will be produced as intended during the design for manufacturing process.

"Now that the manufacturing process has time shifted and location shifted, the movements of digital assets between engineering and printing of the part introduce all kinds of problems."

Joe Inkenbrandt
Identify3D Founder

COVERS ENTIRE DIGITAL THREAD

End-to-End | Integrated | Interoperable

Identify3D is integrated into core SW and HW within the digital manufacturing lifecycle, providing secure movement of engineering data, manufacturing process and quality requirements from design to part manufacturing and beyond

In Summary

Additive manufacturing allows manufacturers to be self-sufficient, and keep operations up and running and producing their own product supply. Since this can come with associated risks, namely cyber attacks and data leaks, ensuring security in your smart factory is paramount.

To learn more about Stratasys' Software Partners, visit: grabcad.com/featured-software-partners