The Quest for an Industrial Internet for Supply Chains

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April 2022
Many organizations have gone through large digital transformations, however we are still facing challenges at industry level, because we live still live on digital islands.
Information is shared in paper form, PDFs or Excel files without any guarantee of veracity, error-proof or validation. Once information has changed hands several times is hard to proof integrity and origination.

Firms exchange the most information in close-to-paper format resulting in:

- Fat finger effect
- Delays
- Reconciliation gaps
- Expensive and lengthy audits
- Manual processes
KEY DRIVERS
Steel products are a candidate for the application of new technologies such as AI-based systems & Blockchain, with the aim of improving end to end traceability and visibility

- The world depends on global trade. How do we make it more secure, efficient and fair?
- GHG levels are a growing concern. CO2 remains in the atmosphere for 100 years. A low carbon economy is unavoidable.

**Asset Origin Verification**
Proving product origin, specification and composition is fundamental

**Data driven regulation**
Quality of data and lack of real-time data of steel products reduces economies' ability to effectively regulate the industry and ensure a fair competitive environment

**Reliance on paper-based documents**
The paper-based mill certificate is only as trustworthy as the organization presenting it

**Global Carbon footprint data**
There is no comprehensive method for tracking a product’s carbon footprint, putting low-carbon producers at a significant disadvantage. In turn, this is important to highlight the circular nature of steel with respect to other products as well as achieve product differentiation.
A STEEL-CENTRIC SUPPLY CHAIN

A window to the life of a steel asset
FUTURE APPLICATIONS

Trade Finance & Supply chain automation, etc.
EXAMPLE 1

Digital Border Clearance (Nexus for products)
EXAMPLE 2

Green House Gas Emissions Tracking
THE IMPORTANCE OF STANDARDIZATION

The only way to truly digitize and secure the steel industry at scale
We’re bringing commodities to life.

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