Electronic Data Interchange (EDI) in the Manufacturing Industry

EDI technology is used in the manufacturing industry to improve operational efficiency and reduce transaction cost across the supply chain, which comprises of Manufacturers, Suppliers, Customers, and Logistics providers. Depending on the size of the manufacturer, several business process models related to collaborative planning forecasting and release (CPFR) are implemented using the EDI technology.

Examples of organizations using EDI in the Manufacturing Industry

- Thrustmaster of Texas, Outsource Manufacturing, Triton Products, Rapid Product Development Group, Allied PhotoChemical, Extreme Molding, Piston Automotive, Specialty Fertilizer Products, ICSN, Alliance Plastics.

Associations for EDI in the Manufacturing Industry: Amerisource, GE Supply, UAP INC, ULTA3, The Voluntary Interindustry Commerce Standards Association (VICS), Automotive Industry Action Group (AIAG)

Some of the popular EDI messages used in the Manufacturing industry include:

Order related
- Price / Sales Catalog, Request for Quotation, Response to Request for Quotation
- Planning Schedule, Material Release
- Purchase Order, Product Activity Data, Invoice

Shipping related
- Advance Ship Notice
- Delivery Schedule
- Warehouse messages

Finance related
- Credit/Debit Adjustment
- Payment Order/Remittance Advice

Popular Data Formats: X12, EDIFACT, XML, Proprietary formats, Web Services.

Benefits of EDI in the Manufacturing Industry:
1. Lower transaction cost.
2. Increase operational efficiency.
3. Supports the concept of Just in Time (JIT) manufacturing by promoting improvement in flow time to enhance inventory control.
4. EDI provides up-to-the-minute information for decisions about production and deliveries.
5. Potentially significant investment to enhance competitiveness and raise profitability.

Does this interest you?

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