INTEGRATING SYSTEMS IN THE B2B VALUE CHAIN
Designed for integration

- Bilateral vs Multiple Integration
- Application architecture (system)
- Structured data input
- Metal XML
Bilateral integration

Integration with other systems may be
- COMPLEX
- TIME-CONSUMING
- EXPENSIVE
Integration via the Steelscreen electronic marketplace

Advantages of a single integration:
- FASTER
- CHEAPER
- SIMPLER
Definitions

• **Html** : language designed for viewing graphics and text on screen.


• **XML** : eXtended Markup Language. Language of communication for electronic commerce.
Architecture on three levels

1st level
- WWW: HTML/ASP
- ERP Integration: Metal XML / EDI
- WAP: WML/ASP

Based on components

2nd level
- Business Components
- Data access components

Repeats logic of transactions and tasks for different media

3rd level
- Database

Flexible solution for decentralized multi-server environments
Structured data input

Data input based on options defined by industry experts:
2 700+ international standards
18 000+ metal specifications
Differences between HTML & XML

• XML allows the user to select data that reflect what he wants to find or send.

• This makes it possible for the server on the customer side to access data sources in any format and in any web site.

• HTML only indicates what the selected data should be like, it does not explain what they are (in language).

• XML information exists as both data and documents, and can be processed as either.
Metal XML and the buy/sell transaction

BUYER
- Construction
- Purchasing
- Tracking
- Warehouse
- Accounting
- Payable
- Quality Assurance

SUPPLIER
- Marketing
- Sales
- Manufacturing
- Distribution
- Accounting
- Receivable
- Customer Service

Metal standard
- Stock information
- Inquiry
- Offer
- Order
- Order acknowledgment
- Query order status
- Order status
- Certificate
- Dispatch advice
- Invoice
- Certificate
- Query certificate
- Bank
- Bank
- Bank

Research & Development
- Quality Assurance

Metal XML and the buy/sell transaction
XML documents developed

6. Sample XML Document

```xml
<?xml version="1.0"?>
<!DOCTYPE OrderStatus SYSTEM "dtd\OrderStatus.dtd">
<OrderStatus>
  <Order>
    <OrderNo>93272</OrderNo>
    <OrderRevision></OrderRevision>
    <Supplier>
      <Contact>
        <FirstName>Mikael</FirstName>
        <LastName>Billock</LastName>
        <email>mikael.billock@telia.com</email>
        <PhoneNo>46 19 23 99 10</PhoneNo>
        <CountryCode>SE</CountryCode>
      </Contact>
    </Supplier>
    <Company>
      <CompanyName>Steelseller Ltd</CompanyName>
      <CountryCode>SE</CountryCode>
      <PhoneNo>46 19 23 99 10</PhoneNo>
      <VATno>SE-556535812</VATno>
      <CustomerNo CodeSet = "buyer">23222</CustomerNo>
    </Company>
  </Order>
  <Company>
    <CompanyName>Steelmet Ltd</CompanyName>
    <CountryCode>UK</CountryCode>
    <PhoneNo>44 2323 23 99 10</PhoneNo>
  </Company>
</OrderStatus>
```