

# PapiNet Project Examples

Ponton Consulting is an IT consulting company specialised in developing e-business solutions along the B2B value chain. Our focus is in the fields of

- Business Consulting
- IT-Consulting
- Development
- Technical Support

Business Consulting	IT Consulting	Development	Products
<ul style="list-style-type: none"> <li>▪ Process and Org. Analysis</li> <li>▪ Development of Standards</li> <li>▪ Intl. Project Management</li> </ul>	<ul style="list-style-type: none"> <li>▪ EAI Integration</li> <li>▪ Software Integration</li> <li>▪ Development of Solution Concepts</li> </ul>	<ul style="list-style-type: none"> <li>▪ B2B Messaging Solutions</li> <li>▪ Content-based Routing Tools</li> <li>▪ ERP Adaptors</li> <li>▪ E-Procurement</li> <li>▪ E-Contracting</li> </ul>	<ul style="list-style-type: none"> <li>▪ B2B Integration Tools</li> <li>▪ XML Tools</li> <li>▪ Tech Support</li> <li>▪ Training / Seminars</li> </ul>

Here are some examples of how Ponton Consulting is supporting its clients. All the projects cited below are part of the main papiNet project.

## Business consulting projects

### 1. EPSMA B2B Integration – Standardisation of XML documents for label and laminate manufacturers.

The objective here is to define a uniform basis for online document exchange and business processes in support of B2B integration for the paper industry and their business partners.

Main customer is the EPSMA Consortium (EPSMA = European Pressure-sensitive Manufacturers Association). The project was set up in January 2002 and will continue at least until the end of the year 2002. The customers organised in EPSMA come from Finland, Sweden, the Netherlands, and Germany.

### 2. Consultancy in the implementation of an e-procurement system

Ponton Consulting is providing advice and support to a Scandinavian consortium in the implementation of an e-procurement system. Here, the initial focus is on the classification of supply processes. The next level will analyze the synergy potential to be expected as a result of procurement pooling and evaluate prospective software solutions.

## IT consulting projects

### 1. Designing a "one-face-to-the-customer" solution in the field of EAI (Enterprise Application Integration)

Support from Ponton Consulting is frequently requested in connection with the integration of participants to the papiNet network. The assistance offered by Ponton includes:

- Selection of suitable integration methods
- Implementation of the solution
- Definition of mapping assignments, i.e. transformation rules between papiNet XML documents and ERP systems
- Programming of integration functions

For one of the papiNet participants, Ponton Consulting has developed a solution aimed at unifying their communication interface. The solution allows messages to be exchanged through the back-end between different partners at different locations working with different ERP-systems.

This was achieved by closely integrating the customer's IT staff as well as service providers. Java was used as the technological platform for integration, with an MS SQL Server used for temporary storage of documents.

### 2. Installation, training, and integration of the EPC Messenger with customers' back-end systems

Since the middle of 2000, our IT consultants have been supporting customers in planning, installation, and integration of the EPC-Messenger. Normally, this includes one or two days of on-site support, followed by additional testing with business partners.

So far, Ponton Consulting has been involved in more than 30 integration projects of this kind, integrating a wide range of system and application environments:

- Hardware: PCs, IBM, Sun, and HP
- Operating systems: different versions of Windows (NT, 2000, XP), Linux, Solaris, AIX, HP-UX
- Database management systems: Oracle, IBM DB2, MS SQL Server, MySQL, and others
- Back-end systems include different ERP systems from producers like SAP, Baan, and Navision – as well as a large number of custom applications
- Messaging and integration solutions: IBM MQ Series, SAP Business Connector, Data Junction, Seeburger BIS, resp. WebElke, and many others

## Development projects

In many cases, B2B-integration also includes the development of tools.

### 1. Development of an application for paper purchasing

This project was carried out for Otto (the world market leader in mail order business) with the objective of creating an application based on Microsoft's .NET framework to communicate with paper suppliers via the EPC Messenger.

The functionality of the software includes:

1. Creation of master data and contracts
2. Disposition of print volumes and estimated paper consumption
3. Allocation of printers and paper suppliers to objects
4. Management of remaining paper volumes
5. Order of paper via the papiNet-XML interface
6. Receipt and consolidation of order confirmations and invoices via the papiNet-XML interface
7. Invoicing to internal customers
8. Reporting on objects, orders, and delivery volumes, as well as comparison of contracts and order volumes

This paper purchasing application has been in use since August 2002.

### 2. Development of the Routing Adapter

In order to integrate different back-end terminals for message interchange, the system needs to be capable of directing documents to the right address based on their content.

By the use of this "Content-based Routing" the user is able to control the transmission of any XML-Content. The solution developed in this project can be applied to integrate any other customers.

## Software products

### 1. Ponton X/P

Ponton X/P, which is used in the papiNet project under the name of *EPC Messenger*, is Ponton Consulting's main product. It was developed for the papiNet project and has been under continued development for more than two years. As of August 2002, the product has been implemented for more than 70 customers. We expect, that by the end of 2003 more than 200 customers will make use of this product.

Closely associated with the software, Ponton Consulting offers a **HelpDesk Service** to papiNet participants. The HelpDesk Service provides information and assistance concerning

- Options for integration and utilisation
- Installation of the software
- Creation, administration, and publication of certificates
- Integration of business partners
- Maintenance of the software
- Reporting to the papiNet group

## **2. Database Adaptor**

This component was developed to enable direct import and export of XML messages from/to a database. On the one hand it allows mapping between database fields and XML-elements, on the other hand it is possible to implement string operations and other calculations using the object-oriented language Python.

Customers install the Database Adaptor to get a cost efficient connection to their ERP system. Therefore the Database Adaptor is integrated directly with the messaging product Ponton X/P.

The software is offered as a separate product or can be reused as a component within projects.

We look forward to hearing from you.

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