E-FLOWWARE - a social network platform for the transport, logistics and business community

**KeyWords:**
Freight consolidation and transhipment; IT-technologies and solutions (for management and administration); ICT (e.g. routing, guidance), transport optimisation; Business to business (B2B) solutions, cooperation; Competitive aspects; Innovative operational solutions

**Description:**
E-Floware is the first complete, joint solution, involving all those active in international and national business, logistics and transport. This single Web and Mobile v. 2.0 contact point meets all the needs of a global supply chain from the product data sheet through to delivery in store (door-to-door). It is a unique, centralised tool for all those involved in the supply chain, between the factory that manufactured the product and the customer that bought it, allowing processes to be monitored and improved and meeting market needs more effectively in real time.

- A unique, shared IT system and a real-time communications interface accessible to all parties involved via the Internet or mobile phone.
- Automatic management of physical operations, monitoring and the creation of the documents necessary for managing the chain.
- Consolidation algorithms suitable for consolidating merchandise flows both at a national and international level, in order to reduce the number of transactions, transport documents, delivery frequencies, environmental impacts, storage areas and the cost of the supply and distribution chain.
- A multi-customer, multi-loader, multi-transporter solution

**Benefits:**
- The consolidation of volumes on departure and deconsolidation at the best logistics point upon arrival.
- Costs optimised thanks to E-Floware consolidation tools based on the delivery location and date.
- Automated dematerialisation: automatic document preparation, bookings and electronic customs messages via the workflow and profiles.
- Mobile monitoring and 2D code: 2D code with scalable interpretation depending on the profile. CMRs signed directly on the mobile phone screen.

**Starting Point/Objectives/Motivation:**
Originally, it was about proposing a solution that reduces the number of trucks on the roads by consolidation and pooling of flow.

In 1995, the project leader of E-Floware created the first online freight exchange, “Webtransport”. Frédérik Tusveld works as a business consultant on optimisation projects.

E-Floware is the only software which manages all transactions from the product specification through to final in-store delivery in the field of transport and business at a national and international level.

The product is available on the Cloud, in Software as a Service mode (SaaS) as a simple, flexible, readily available and secure IT tool.

Customers are invited to encourage their partners to join this collaborative and interactive community: buyers, distributors, suppliers, logistics companies, transport companies, freight forwarders, shipping agents, etc. E-Floware provides instant visibility for all parties involved, resulting in greater responsiveness and quality of service.

**Supported Strategic Targets:**
Ideal utilisation of infrastructure; Competitive logistics and transport system; Increased efficiency/productivity of logistics processes; Limited climate change; Reduced emissions
The members of the community are automatically integrated into the workflow according to their roles. E-Floware uses their profiles to automate and optimise exchanges and flows (operational, information and documentary).

E-Floware allows shipments to be consolidated: starting from the different orders received in stores, E-Floware algorithms calculate the best way to proceed, given the required delivery dates and locations. It suggests the most relevant consolidation points with cost calculations.

Several difficulties have been addressed:
- The current tool is presented like a “Meeting” (meeting place for professionals, according to their “compatibility”) and at the same time a “Facebook” (each user has a profile, defined by their business, destinations, specialities, etc., and are encouraged to invite those with whom they are working). In addition: a tracking device, tracking and tracing via intelligent QR codes, which, on the one hand, allows the user to find the closest carrier and on the other gives shippers a transparency which they wouldn’t have with a private company. Its developer is now looking to create a pooling engine which lets shippers consolidate their flow and carriers work together.

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• List the relevant transport modes or supply chain elements
• road/truck

Main actors involved
- the E-FLOW Services start-up
- its customers: loaders, forwarding agents, road and sea transport companies, sub-contractors, etc.

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