**Freight and Goods Information System-KIPIS**

**IT technologies, communication between business and authorities, innovative solutions, interoperability, monitoring processes**

**Description**

KIPIS is designed for transferring and processing information on freight movement via the port of Klaipeda. The main functions of KIPIS are provision of information required by customs and other state authorities via the Internet connection; data exchange amongst the system users to conduct procedures such as temporary storage of goods, import, export and transit, or any other customs formalities; electronic data exchange with the stevedoring companies for the purpose of placing and executing orders for handling operations. KIPIS could be considered as one of the main elements for the construction of the port community system.

**Benefits**

**For business:**
- Reduction of physical cargo inspections
- Saving time of port companies (simplified processes)
- Increase of port throughput and competitive advantage

**For Authorities:**
- Improvement of service quality, more reliable risk analysis, saving human resources, increasing public safety

**Starting point/objectives/motivation:**

Slow data transfer between separate parts of logistics within the port. Before KIPIS there was a lot of „paper work“ which had negative impact on whole process of delivering services

Use of the KIPIS system ensured possibility to start implementation of a „single window„ principle in the Klaipeda Seaport. Business partners were able to simultaneously produce all information and documents required for the procedures of import, export and transit goods to all the authorities involved in verification and inspection, while the state authorities responsible for verification and inspection are able to manage the risks in an integrated manner.

The KIPIS system accelerates exchange of data and information between various participants in the logistics chain, and provides the conditions to enhance the competitive capacities of the Klaipeda Seaport.

**Solution**

Multi-layer Internet architecture was used to create the system. The software layer was created by applying the open standard technology J2EE, and the user interface modules that are based on HTML format. KIPIS operation are based on Workflow Technology. In order to identify data and users, an electronic digital signature subsystem is implemented.

**Supported strategic targets**

- Competitive logistics and transport system
- Increased safety and security
- Higher quality of services
KIPIS increased the data transfer speed between separate groups of chain of logistics. The main functions of KIPIS are provision of information required by customs and other state authorities via internet connection; data exchange amongst the system users to conduct procedures such as temporary storage of goods, import, export and transit, or any other customs formalities; electronic data exchange with the stevedoring companies for the purpose of placing and executing orders for handling operations. The use of information and communication technologies will provide for the means to facilitate, improve, and accelerate the process of freight traffic moving through the port.

The system’s benefits for the port companies consist of facilitation and acceleration of freight/goods movement through the port by way of exchanging electronic data. The system eliminated about 30 various paper documents going between the ship agency, forwarding, stevedoring companies, customs offices and other state authorities controlling freight and goods traffic. This paperwork included a variety of permits to import, export, handle and reload goods, handling operations reports, quality certificates. Forwarders, agents, and stevedoring companies are able transfer electronic documents through a single access point to each other and to the state authorities and institutions without wasting time like the old method.

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