

DEVELOPMENT AND IMPLEMENTATION OF INFORMATION SYSTEM KIPIS

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Topics

- n About the KIPIS project
- n About the KIPIS system



Port of Klaipeda in figures

- n 415 hect. of port territory and 623 hect. of port water
- n 800 different enterprises
- n 25 km. of port quays
- n 30 different port terminals
- n 160.000 m² of covered warehousing facilities
- n 640.000 m³ of liquid cargo storage tanks
- n 780.000 m² of open storage sites
- n 7700 wessels per year (2006)
- n 23,6 mln. tons of cargo turnover (2006)



Port community

- n Over 60 ship agencies
- n Over 70 freight forwarding enterprises
- n 22 stevedoring enterprises
- n JSC "Lithuanian Railways" (main carrier, 70% of cargo.)
- n Klaipeda Territorial Customs
- n Klaipeda Public Health Centre
- n State Plant Protection Service
- n Border and Transport State Veterinary Service
- n State Border Guard Service
- n Fishery Department under the Ministry of Agriculture
- n Klaipeda State Seaport Authority



Problems in data exchange today

- n >40 different paper documents
- n Same data repeats in different documents
- n Different institutions have to be provided with the copies of the same documents
- n Many points for submission of cargo information
- n Different methods of data exch. between partners
- n Manual enter of the same data into different IS
- n Information delays causing delays in cargo handling
- n Human factor and human mistakes
- n Lack of statistics



Objectives of KIPIS project

- § Development and implementation of KIPIS inf. System
- § Simplification of port processes by using of modern IT technologies, seeking to speed up movement of cargoes via Klaipeda port
- § Increase of the efficiency and competitive ability of Klaipeda seaport



What is a KIPIS system?

KIPIS – Information system for data exchange between port companies and state institutions, taking part in cargo handling and cargo inspection within port area.



Main info on KIPIS project

- § Project leader – Klaipeda State Seaport Authority
- § Beginning of the project – April 2005
- § Project is partially financed by the European Regional Development Fund
- § Budget – over 1,5 M Euro
- § Project finish – August 2008

Project partners

- n Customs department
- n Association of Lithuanian Shipbrokers & Agents
- n Association of Lithuanian Stevedoring Companies
- n JSC "Lithuanian Railways"



 **LIETUVOS GELEŽINKELIAI**


Lietuvos jūrų krovos kompanijų asociacija

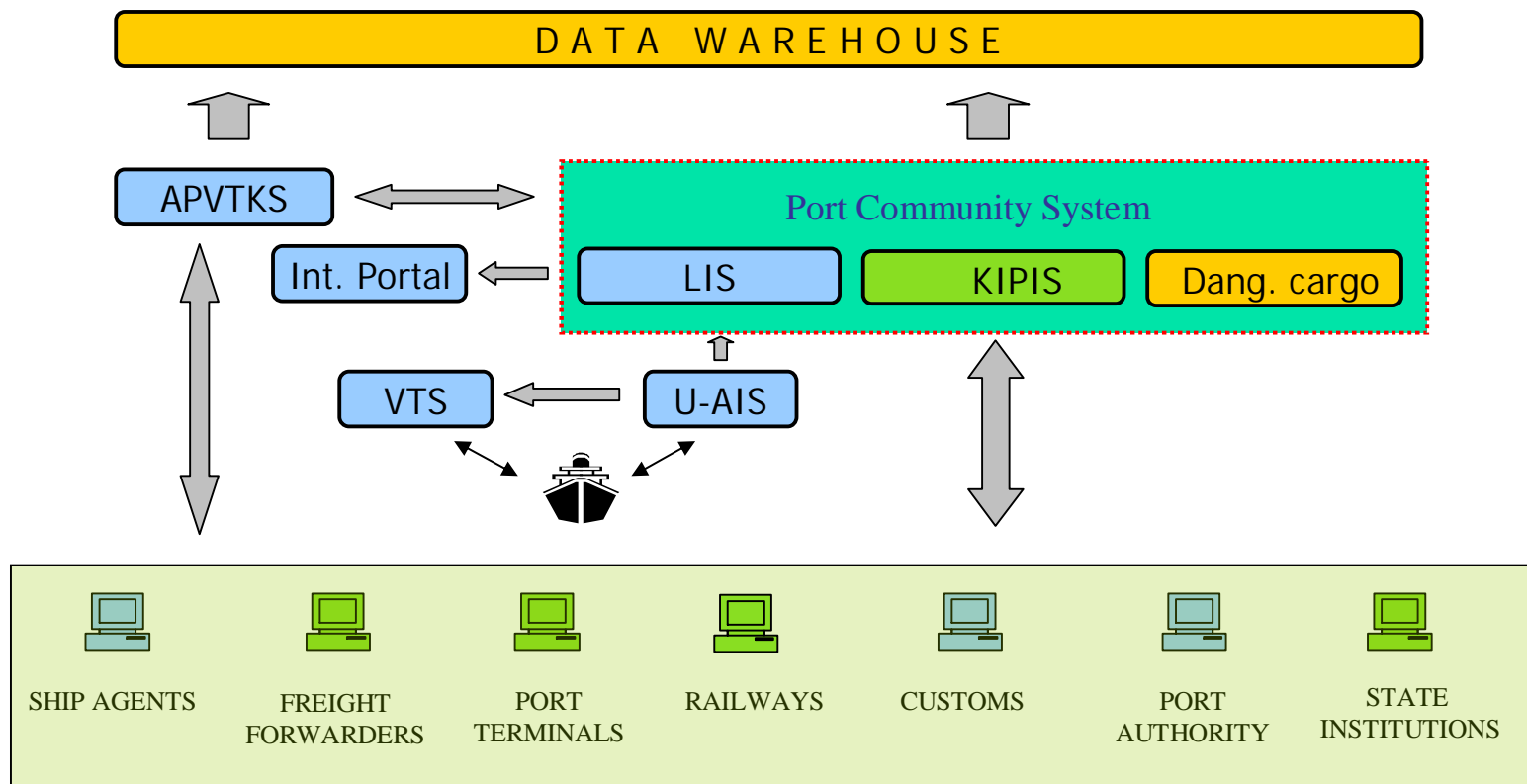


Project stages

- ∅ Detailed analysis of port processes and user requirements
- ∅ System design
- ∅ **Development of system application**
- ∅ Implementation and testing (Sept. 2007)
- ∅ Trial exploitation (Nov. 2007)
- ∅ Exploitation and tech. support (Feb 2008.)

KIPIS and Port IS

- SYSTEMS IN PLACE
- SYSTEMS UNDER DEVELOPMENT
- FUTURE SYSTEMS





KIPIS users

- n Freight forwarders
- n Ship agencies
- n Stevedoring enterprises
- n Customs
- n State Veterinary Service
- n State Plant Protection Service
- n Klaipeda Public Health Centre
- n State Border Guard Service
- n Fishery Department
- n Klaipeda State Seaport Authority



Links with outer IS

- n **ASYCUDA++** (Processing system for customs import and export declarations)
- n **NCTS** (Processing system for computerized transit customs declarations)
- n **LIS** (Ship information system of Seaport Authority)
- n **APVTKS** (Technical control system for the vehicle and pedestrian gates of the Seaport Authority)
- n **KROVINYS** (Cargo accounting system of JSC “Lithuanian Railways”)



PROCESS MODEL OF THE SYSTEM





Some documents processed within the system (1)

- n Ship documents (according FAL convention)
- n Ship Consignments
- n Invoices of the motor transport
- n Rail consignments (KR-99, SMGS, CIM)
- n Request for cargo stevedoring
- n Certificate of stevedoring work
- n Permit to enter the territory of the port terminal
- n Permit to export goods
- n Shipment organization agreement KR-122



Kai kurie sistemoje tvarkomi dokumentai (2)

- n General declaration and T2L declaration
- n Import, export, and transit declarations
- n Request to issue a phytosanitary document
- n Phytosanitary certificate
- n Certificate of quality
- n Document of phytosanitary traffic
- n Veterinary import permit
- n Request to take the goods under customs supervision for inspection



Simplification of the port process

- n Principle of “Single window”
- n Principle of “Green corridor” for EU commodities
- n No more authorisations for stevedoring operations
- n Electronic data instead of paper documents



KIPIS techninės ypatybės

- n Web-solution (Multilayer internet architecture)
- n ~30 documents managed by system
- n >1000 supposed users
- n Multilingual user's interface (LT, EN, RU)
- n Electronic signature (according EU Directive No. 1999/93/EC)
- n Use of ORACLE RDBMS
- n Use of "workflow" technology



Predictable benefits

n For business:

- n Reduction of number of physical cargo inspections
- n Saving the time of port companies
- n Increase of throughput and competitive advantage of the seaport

n For state institutions:

- n Improvement of quality of services
- n More reliable control of goods
- n Saving of resources
- n Increase of public safety



Thank you!



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