



Project supported by the
Republic of Lithuania



EUROPEAN UNION

Project is partly financed by the
European Union



KLAIPĖDA
STATE
SEAPORT
AUTHORITY

Project leader

DEVELOPMENT AND IMPLEMENTATION OF INFORMATION SYSTEM FOR DECLARATION OF CARGOES AND COMMODITIES TRANSPORTED VIA KLAIPĖDA STATE SEAPORT **KIPIS**



Dear all!

Klaipėda State Seaport is one of the most important transport objects in the country, playing a significant role in the Lithuanian economy.

The main task of the Seaport Authority is to develop the seaport, sustain its competitive ability, increase the scope of cargo turnover, and establish favourable conditions for the users of the seaport complex and the customers of the seaport.

Seeking to establish ourselves as one of the premier European seaports, we participate in international projects on a constant basis, exercise the financing possibilities granted by the European Union, pursue new forms of activities, and give particular attention to the application of information technologies.

KIPIS is a new information technology project, which is being developed by the Seaport Authority and for

which European Union Structural Funds are partly used. The use of this system will allow simplifying and speeding up data exchange among the seaport process actors, save their time, and expedite the cargo handling transactions in the seaport. We therefore think that this system will establish the conditions for the seaport companies to compete easier with neighbouring seaports and attract more maritime cargo to Klaipėda.

We appreciate the substantial contribution of the Ministry of Transport and Communications, Customs Department, JSC „Lithuanian Railways“, Association of Lithuanian Stevedoring Companies, Association of Lithuanian Shipbrokers and Agents, and other institutions and enterprises in implementing this project, which is essential for the entire seaport community.

State Enterprise Klaipėda State Seaport Authority
Director General
Sigitas Dobilinskas



PROJECT HISTORY

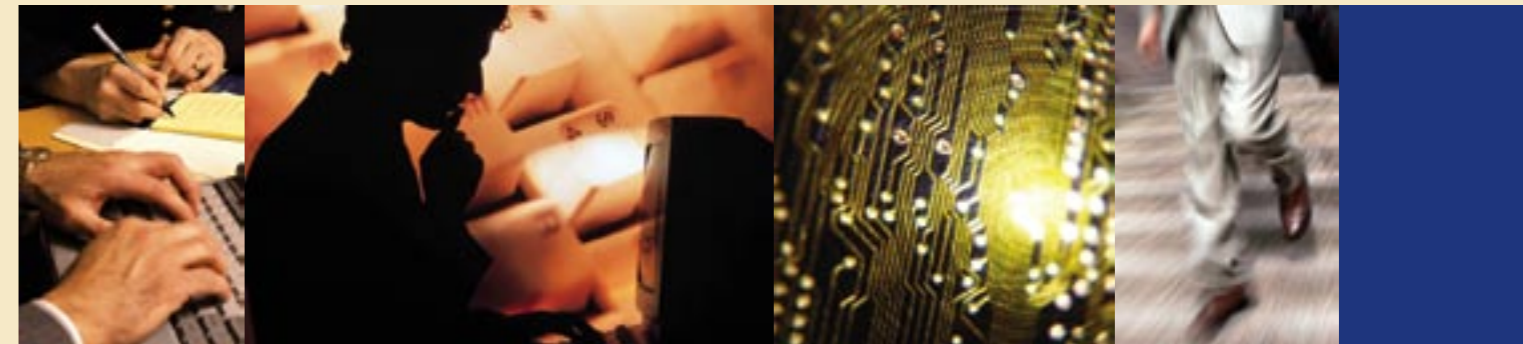
- In May 2003, the State Enterprise Klaipėda State Seaport Authority (hereinafter referred to as the Seaport Authority) prepared a seaport information system development program.
- In November 2003, a quadripartite agreement was signed between the Seaport Authority, Customs Department, Association of Lithuanian Stevedoring Companies, and Association of Lithuanian Shipbrokers and Agents concerning cooperation in the implementation of the system.
- In September 2004, a feasibility study was performed and the application to partially finance the project from the European Regional Development Fund was submitted.
- In January 2005, the financing of the project was approved.
- In April 2005, an agreement concerning assistance for the project was signed between the Seaport Authority, the Information Society Development Committee under the Government of the Republic of Lithuania, and the Central Project Management Agency under the Ministry of Finance of the Republic of Lithuania.

**Trial operation of KIPIS is scheduled for the summer of 2007.
Commencement of operation of KIPIS is scheduled for December of 2007.**

ABOUT THE PROJECT

The KIPIS development and implementation project was conceived and performed at the initiative of the Seaport Authority. The project is partially financed by the Republic of Lithuania and European Regional Development Fund in accordance with measure 3.3 of the Single Programming Document of Lithuania of 2004-2006 — “Development of Information Technology Services and Infrastructure”.

The Seaport Authority is implementing the project, assisted by other seaport enterprises and state institutions. Every attempt is being made for the system to meet the needs of the seaport community as much as possible.



Objectives of the project

The general objective of the project is to speed up the cargo traffic through the seaport, seeking to induce economic growth and increase the competitive ability of Klaipėda State Seaport.

The specific objective of the project is to develop and implement the Information System for Declaration of Cargoes and Commodities (KIPIS), which would establish the conditions for the enterprises and authorities operating in the seaport to exchange electronic data while performing cargo handling transactions in the seaport.

Budget of the project

The budget for the KIPIS project is 5.76 million litas excluding VAT.

Eighty-nine percent (5.47 million litas) of the amount is funding from the European Regional Development Fund and Lithuanian general financing (including assistance from the European Regional Development Fund (73 percent) and Lithuanian assistance (27 percent)).

The remaining part — 11 % of the money for the project — was allocated by the State Enterprise Klaipėda State Seaport Authority.

Users

KIPIS covers all users who are involved in the processes of cargo and/or commodity shipment through Klaipėda Seaport. The following main users groups should be distinguished:

- Freight forwarding enterprises;
- Ship agency service rendering enterprises;
- Stevedoring enterprises;
- JSC „Lithuanian Railways“;
- Lithuanian Customs Department under the Ministry of Finance of the Republic of Lithuania;
- Seaport offices of Klaipėda Territorial Customs;
- Border and Transport State Veterinary Service;
- State Plant Protection Service;
- Klaipėda Public Health Centre;
- Coast Guard Detachment of the State Border Guard Service;
- Fishery Department under the Ministry of Agriculture of the Republic of Lithuania;
- Seaport Authority.

Project management

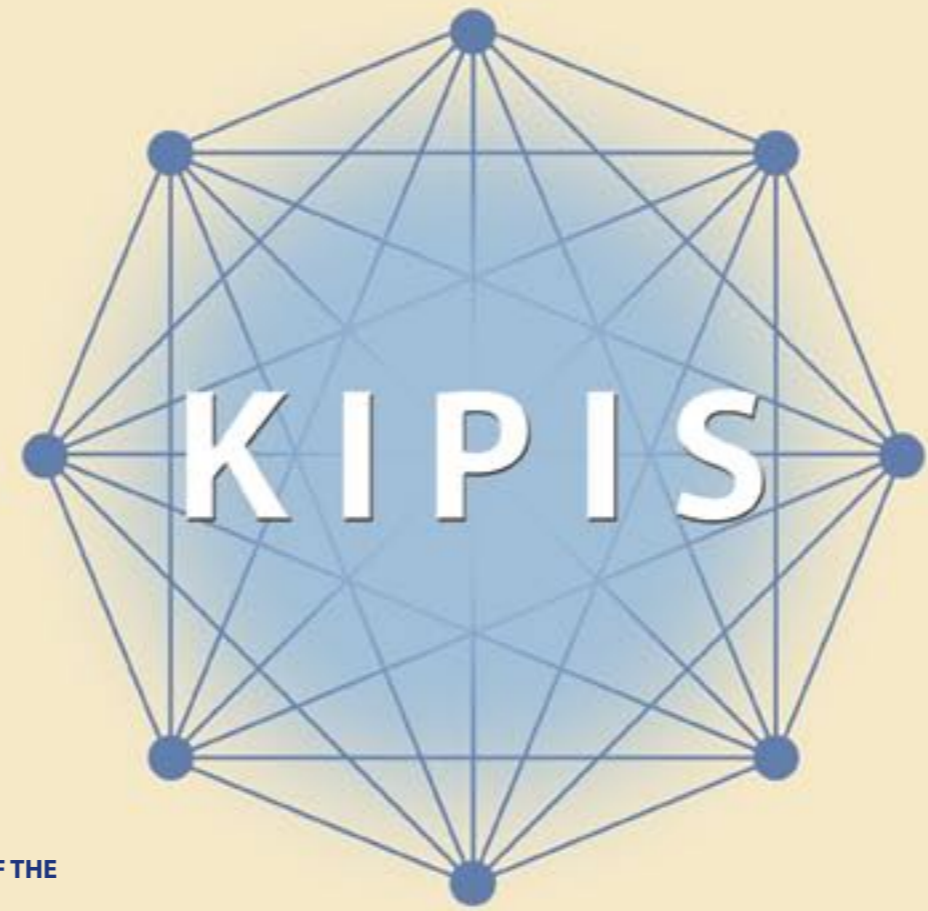
The KIPIS development and implementation project is managed at several levels.

Key project implementation matters are solved by the **Project Management Committee**, which takes strategic decisions. The members of the Management Committee are individuals from the Seaport Authority, Customs Department, JSC „Lithuanian Railways“, Association of Lithuanian Stevedoring Companies, and Association of Lithuanian Shipbrokers and Agents. Algirdas Kamarauskas, director for infrastructure at the Seaport Authority, is the head of the Project Management Committee.

The **Project Implementation Group** is involved with the everyday work on the project and solves all technical-administrational project implementation matters.

The **Joint Action Group**, the members of which are experts from the primary enterprises and authorities operating in the seaport, consults the system implementer in analyzing the seaport activity processes and determining the needs of future KIPIS users.

Technical supervision of the design of the KIPIS system was carried out by an independent foreign company that has experience in the implementation of similar projects in other European seaports.



ASYCUDA++
Processing system for customs import and export declarations

NCTS Businessman's Module
Processing system for computerized transit customs declarations

LIS
Ship information system of Seaport Authority

APVTKS
Technical control system for the vehicle and pedestrian gates of the Seaport Authority

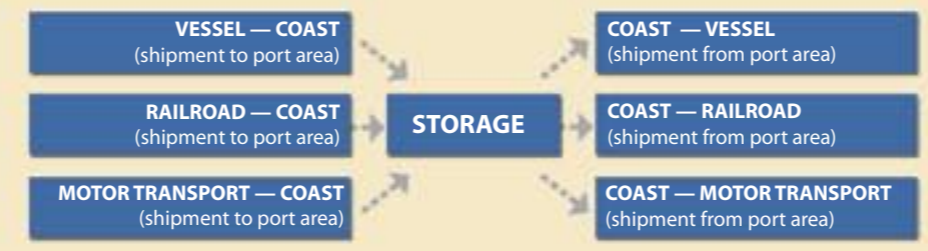
KROVINYS
Cargo accounting system of JSC „Lithuanian Railways“

SYSTEMS OF THE SEAPORT ENTERPRISES AND AUTHORITIES

DOCUMENTS PROCESSED WITHIN THE SYSTEM

- Pre-arrival/pre-departure notice
- General ship declaration
- Ship cargo declaration
- Lists of the crew and the passengers of the vessel
- Ship store declaration
- Dangerous cargo declaration
- Advance maritime medical declaration
- Consignment
- Invoice of the motor transport
- Rail consignment note (KR-99, SMGS, CIM)
- Request for cargo stevedoring
- Certificate of stevedoring work
- Certificate-notice of discrepancy
- Permit to enter the territory of the stevedoring company
- Permit to export goods
- General declaration (BDK) and T2L declaration
- Import, export, and transit declarations
- Request to issue a phytosanitary document
- Phytosanitary certificate
- Certificate of quality
- Document of phytosanitary traffic
- Veterinary import permit
- Shipment organization agreement KR-122
- Request for permission to carry out the handling transactions of temporarily stored goods
- Cargo handling certificate
- Request to take the goods under customs supervision for inspection

PROCESS MODEL OF THE SYSTEM



ABOUT THE SYSTEM

Key seaport activity processes covered by KIPIS

- Cargo shipment to Klaipėda seaport by motor transport, rail transport, and vessels;
- Data presentation to the seaport activity controlling authorities;
- Ordering cargo handling work from stevedoring companies;
- Cargo storage within the territory of Klaipėda Seaport;
- Declaration of import, export, transit, and temporary storage of goods;
- Cargo shipment from Klaipėda Seaport by motor transport, rail transport, and vessels.



Integration with other information systems

- ASYCUDA++ (processing system for Customs import and export declarations);
- NCTS Businessman's Module (processing system for computerized transit customs declarations);
- LIS (ship information system of Seaport Authority);
- APVTKS (technical control system of the vehicle and pedestrian gates of the Seaport Authority);
- KROVINYS (cargo accounting system of JSC „Lithuanian Railways“);
- Information systems of the seaport enterprises and authorities.

Some main technical characteristics

- Multilayer internet architecture and minimum requirements for the PC's of the system users (web-solution);
- Use of ORACLE relational database management system and open standard J2EE technology;
- Application of workflow technology for the flexible adaptation of the system, considering changes in activities;
- Use of SSL technology for encryption of data transmission channels;
- Multilingual (Lithuanian, English, or Russian) user's interface;
- Means of using an electronic signature that meets EU Directive No. 1999/93/EC and the requirements of the Lithuanian standard;
- Use of web-service technology for KIPIS integration with external systems;
- Registration of audit information.

BENEFITS OF KIPIS

- To increase the efficiency of Klaipėda State Seaport and a more rational use of human resources based on modern information and telecommunication technologies;
- To increase the throughput and competitive advantage of the seaport and establish the conditions to attract more maritime cargo to Klaipėda;
- To ensure a higher safety of Klaipėda Seaport;
- To save the time of seaport process actors and eliminate the high flow of paper documents among the forwarding, stevedoring companies, customs offices, and other state services;
- To eliminate the inspection of the vessels and reduce the number of physical control procedures of the cargo;
- To establish the conditions for further development of the public electronic services in Klaipėda Seaport.

VIEWS ON THE PROJECT

"...Information System for Declaration of Cargoes and Commodities (KIPIS) will play a significant role in implementing the ideas of electronic data exchange, the "single window" concept, customs and business partnership. The use of the potential of the system will change the attitude of the entire seaport community and controlling institutions towards cargo transactions performed in the seaport: it will be much easier to control them, the means of control will become more reliable, and the quality of services will improve."

*Customs Department under the Ministry of Finance
of the Republic of Lithuania
Director General RIMUTIS KLEVEČKA*



"...the idea itself is wonderful, we are in great need of the system, and I expect it to work exactly as it is planned. Of course, it might be quite hard in the beginning, but I wish this project all the best; it is necessary to improve."

*Association of Lithuanian Shipbrokers and Agents
VYTAUTAS ŠILEIKA*



"...the quality of the services rendered is one of the main criteria for cargo owners or forwarding agents when choosing a seaport. The system that is being developed will be integrated with the systems of other transport partners and customs and is designed to optimize the activity processes of the entire maritime transport chain by employing the potential of modern technologies. This project is a substantial step towards modernizing and improving the level of the quality of services and information provided at the Port of Klaipėda."

*Association of Lithuanian Stevedoring Companies
President ALOYZAS KUZMARSKIS*



PUBLISHED FOR MONEY PROVIDED BY EUROPEAN UNION STRUCTURAL FUNDS
AND THE REPUBLIC OF LITHUANIA

Project leader

State Enterprise Klaipėda State Seaport Authority

J. Janonio 24, LT-92251 Klaipėda

Tel.: +370 46 499 799, Fax: +370 46 499 777, e-mail: info@port.lt

Joranas Bružinskas, the photographer of the pictures of Klaipėda Seaport (on the cover and page 7).

Design and print: Druka, (+370 46) 380 458, www.druka.lt

KLAIPĖDA
2007