The modern competitive world warehouses and container terminals have the continuous task to increase traffic capacity while reducing costs. The software company EDS Systems OÜ offers the assistance to your business in rising productivity and cutting down costs. It makes no big difference, if your company is importing, exporting or warehousing, as **(c)ONE Terminal** software solution takes into account features of any complicated infrastructure. **(c)ONE Terminal** is an application which by means of fine customization is able to meet requirements of any container terminal or warehouse.

The scope of possibilities provided by **(c)ONE Terminal** software package can be divided into several functional groups:

1. Gathering of information:

✧ Receipt of incoming documents: requests, letters, orders etc. Registration can be done either manually or electronically via EDI. (c)ONE Terminal has a possibility to verify digital signatures on electronic documents;

✧ Planning and tracing of all types of transport modes: vessels, railway cars and trucks. Preparing of treatment plans and forming of the required documents. Binding of loading / unloading operations to the visits;

✧ Tracking results of tally control and surveys (when receiving cargo or in course of other operations). The results, date & time, involved person, discovered damages and all discrepancies with cargo documents (including serial numbers and label markings) are stored in the system;

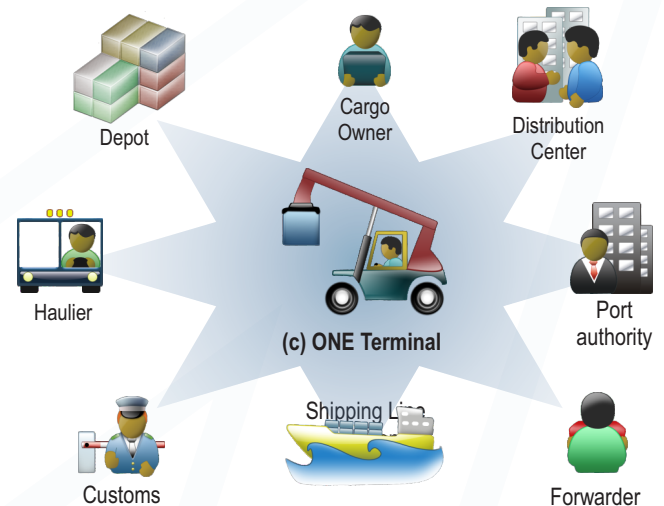✧ Recording of goods movement within warehouses and terminals, and between them.

Input of data can be performed either by users of the warehouses and terminals or by users of client companies. Such approach decreases need for internal resources for input of incoming information along without opening an access to whole information for client companies (principle of "business - to - business"). This is achieved by separation of access to data. The access to changing of defined type of information, range of allowed operations and cargo is pre-determined for every user. Moreover, for so-called external users of the system, the access is limited to "own" information only.

2. Storage and access to information:

✧ Tracking of operations requested in documents accompanying the cargo;

✧ Receipt of information about availability and location of cargo in a terminal at present or at any given time in the past;

✧ Full history of all cargo operations and list of planned operations as well;

✧ Combined access to any information related to an individual cargo item, single document or transport call in general;

✧ Flexible forming of reports with free set of parameters and use of registers, which allow unifying operations into more enlarged groups;

✧ Access to information and it's input is regulated by Administrator and the system releases the information to terminals/warehouses / own or 3rd party users respectively.
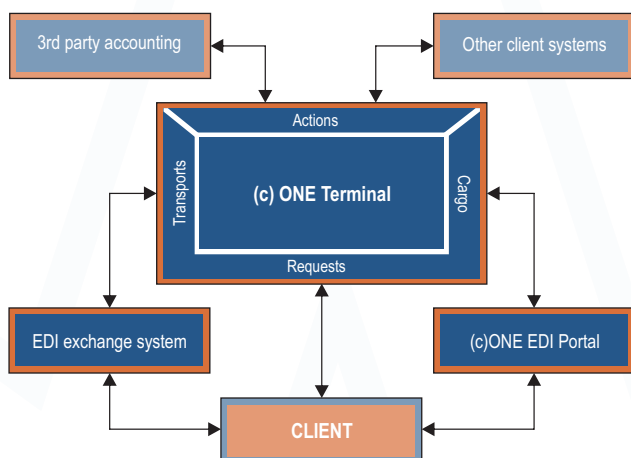
3. Support of commercial transactions:

✧ Maintenance of contracts containing basic rules for calculating of costs for storage and cargo operation and for automatic determining of invoice payers;

✧ Minimization of volume of data input by the parameters required by terms and conditions of a contract;

✧ Automated generation of invoices for rendered services and possibility to export of invoice data to an accounting systems for further issue. Presently (c)ONE Terminal has interfaces of conjugation with accounting applications : SAP, ShipNet Accounting System, XAL Concord, Hansa Finance, SAF, 1C.

4. Electronic data interchange:

✧ Possibility of two-sided electronic data interchange with client companies, customs and port authorities (incl. EDIFACT data format);

✧ Possibility of exchanging information with module of cargo loading plan;

✧ Any other.

Main merits of (C)One Terminal system

About the (C)One technology developed by EDS Systems OÜ. First of all, it is a platform for creating Web applications, which does not require neither any installation on users' computer nor the subsequent software update. The only requirement is availability of an Internet browser, and (C)One works with any. Besides, features of (C)One are already fully accessible with all most popular browsers, such as Internet Explorer or Firefox.

You can work with the program from any point of the world and use any computer, even in the Internet café, if you have the password for access, and it does not contradict a safety policy of your company.

Moreover, all data is stored on a server, so you can not lose anything if any communication or system failure occurs. In any case, after authorization procedure you can continue the work from any other computer exactly from the exact place where you stopped the work last time.

As opposed to many Web applications, it is possible to use button "Back" at browser in (C)One. So it is possible to track the sequence of actions and see the data before the modification have been made.

Regarding convenience, first of all we mean the accelerated input of information. (C)One allows entering the information directly on Web-page quicker than many desktop applications. It is assured by the complete keyboard support:

✧ Moving between the input fields by cursor keys is as quick as in Microsoft Excel;

✧ Direct editing in lists. There are small lists in the system, e.g. statement of facts, the list of counterparties in the consignment etc; by editing directly in such lists, the user is relieved of extra movements between the screens;

✧ Use of common hot-key combinations such as Ctrl+S, Ctrl+P etc;

✧ Dropdown lists select suitable variants "hurriedly" from thousands or millions possible, being guided by one or several words which you type;

✧ Date editors allow entering data in practically any format,

avoiding specifying current year or month and using arrow scrolling up of days of month, time, etc.

The keyboard support is not the only thing making (C)One technology attractive to the user - some main advantages are presented below:

✧ You can make any quantity of changes in the system, construct and analyze reports, and only then decide whether you wish to keep the made changes or to revert them at all. It enables you to find answer to question «what if», and to avoid extra confirmation on removal etc operations, as they can be reverted in case of mistake. Excel also does not ask you any confirmation on a line removal, but while deleting you feel safe, knowing that changes are easy for revert;

✧ Any information from the screen is available in PDF-format (Adobe Acrobat) or XLS (Microsoft Excel);

✧ Multilingual interface. We support all languages required by the customer. Nowadays (C)One Terminal runs on four languages: English and Russian, Estonian and Finnish, but it can also be translated into any other language. There are valid characters in any language in all fields (full support for UNICODE);

✧ The system works as quickly as possible on any communication channel. The "weight" of loadable pages has been significantly reduced due to the following factors: removal of lots of service information, load of suspension of loads of dropdown lists, compression of java-script classes names and variable, enabling of instant Archiving ;

✧ If necessary, the user can instantly (without any delay) be informed of any key event, even if he did not press anything and dis not read the screen. This is especially unusual for the regular Web applications;

✧ We use most modern databases. Depending on customer's needs we can provide a trouble-free server work even in case of equipment failure. Whole business logics of the application is located at server, thus our decisions are easily scaled. If your enterprise has grown significantly and volume of data has considerably increased, a new system would not be required: you can work on current one, only having increased the productivity of hardware maintenance;

✧ We work on a 64-bit platform, which allows using modern servers and greater volume of operative memory. As a result, there is an opportunity to process larger volumes of the information without significant time delays;

The screenshot shows a (c)ONE TERMINAL application interface with Russian UI elements including menus (Файл, Основное, Документы, Справочники, Отчеты, Помощь), a vessel call "RIJNBORG, 22-Apr-2010 12:00" and performance evaluation tables.

◇ Active On-Line duplication OLTP (Online Transaction Processing) of data in OLAP (Online Analytical Processing), i.e. the data is prepared for quick generation of simple and multi-dimensional reports. The system makes the pre-calculations and keeps them in additional tables which are used for acceleration of lists output and construction of reports. It results revolutionary increase of speed in construction of reports;

◇ Flexibly adjustable menu. Each user can have an own menu, optimized by own needs;

◇ The information about the user and time of changes is stored at each field of a document;

◇ Modeless dialogues about mistakes. User is not obliged to close error message before starting the correction of a mistake. Moreover, an error message includes a link to the place, where the mistake should be corrected.

◇ The system has a flexible built-in reporting, where any report can be viewed in accurate analytical (not flat) mode directly in the program's interface:

The drill-down of data down any quantity of levels (detailing the number) is possible by a double click of mouse. It is possible to drill down different fields of one report in different lists and to other summary tables.

The calculation can be performed on more complex data operations than a simple summation.

(c)ONE Report Builder allows you creating your own reports in a few mouse clicks.
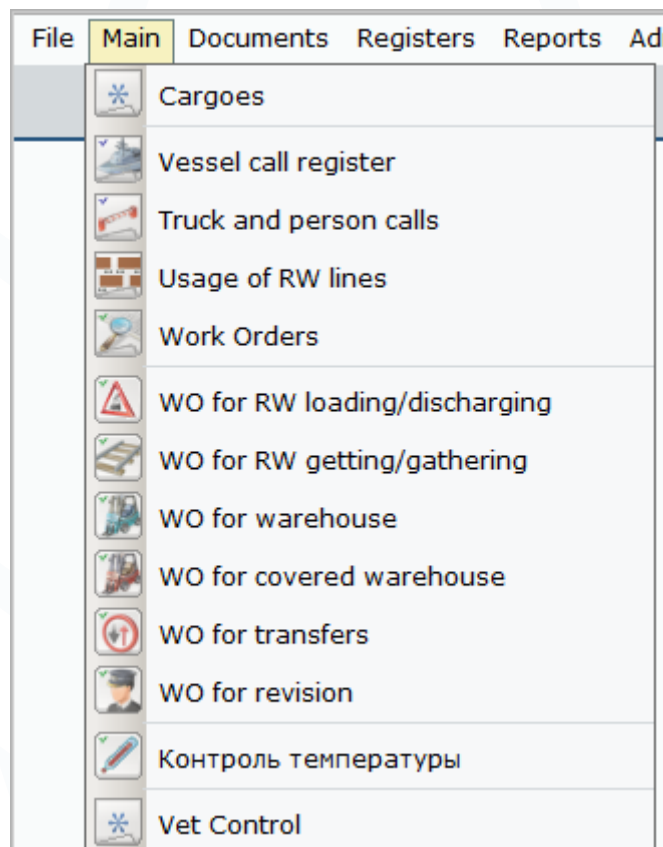
(c)ONE TERMINAL

Advantages of (c)ONE Terminal business-logic:

✧ Support of all types of transport;

✧ Support of all cargo types and kinds of their stuffing, the system is able to process general cargo, containers, RO-RO, bulk and liquid cargoes;

✧ Possibility of summarized cargo description with further specification even after cargo unpacking operations;

✧ Variety of customized parameters and rules, possibility to work with different types of documents and cargo operations;

✧ Preparation of flow charts and use of resources planning;

✧ Calculation of use of human resources, equipment and infrastructure (including railways);

✧ Automatic deciding on the location of goods in the stock;

✧ Keeping records on history of cargo sites / warehouses structure along with the history of cargo itself;

✧ Possibility for selective input of parameters and additional control for correctness of data in time of "closing" so called "trans-
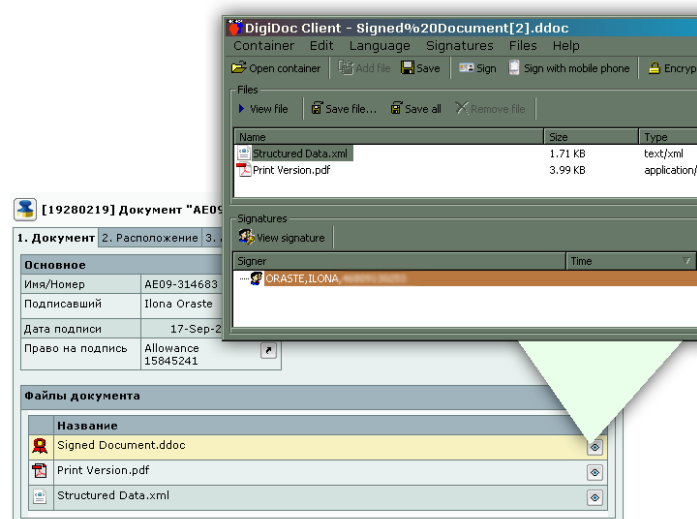
port calls" and orders;

✧ Keeping records of non-conformities between tally reports and cargo accompanying documents;

✧ Contract system and automatic calculation of cargo operations and storage costs;

✧ Electronic data interchange and feasibility of integration with electronic systems of terminal's clients (so called business-to-business method of approach): shipping lines, trucking companies, forwarding & agent companies, customs authorities etc;

✧ Electronic "passes" for cars/ trucks or other transport types;

✧ Digital signature;

(c)ONE Terminal is entirely our own development and is based on our technologies. All requirements of customers have been taken into account and included in the system's functionality. Nevertheless, it is very flexible system and we are always ready and capable to adjust any part to meet your needs. This includes adding functional modules from our other projects, such as (c)ONE Oil Terminal or (c)ONE EDI Portal.

Your experience plus our software accomplish your visions!

EDS SYSTEMS