

Long Range Identification & Tracking System (LRIT)



KEMILINKS
Telemetry and Tracking Services

- Wireless Asset Monitoring and Tracking
- Fuel & Security Supervision
- Remote Telemetry and Control
- IMO Long Range Identification Tracking (LRIT)
- IMO Ship Security Alert System (SSAS)
- Vessel Monitoring System (VMS)
- Pipeline Monitoring
- Early Warning System

The advertisement features a central globe with various icons representing different assets and services. An inset shows an 'm-Track Unit' connected to a 'GSM/CDMA Network'. Other icons include a satellite, a computer monitor, a mobile phone, and a map.

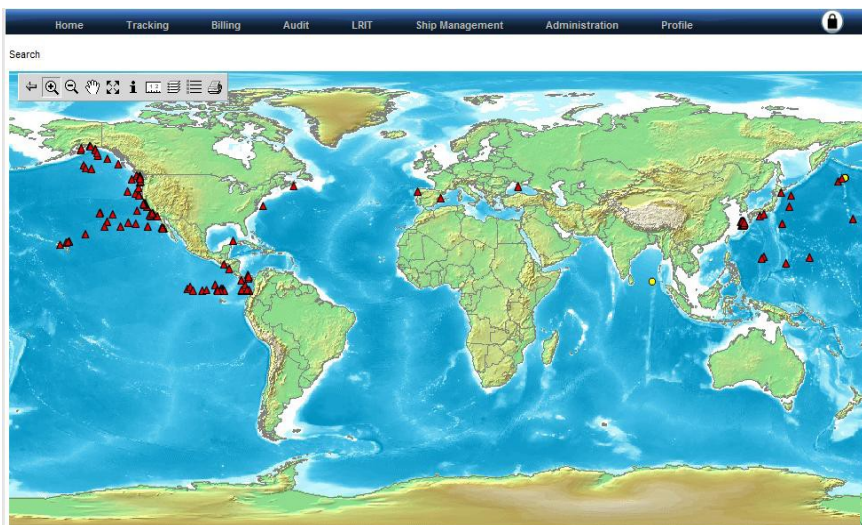
Kemilinks is one of the pioneers in developing the IMO V/19-1 Long Range Identification & Tracking (LRIT) System. The LRIT System is based on our iVATS core software, which has an inbuilt redundancy architecture; providing reliability and stability to the overall system. Kemilinks' LRIT platform has already deployed to major Southeast Asia Flag States providing fully LRIT Services and meeting the IMO V.19-1 regulations.

Fully connected with the International Data Exchange (IDE) and Data Distribution Plan (DDP) servers, our LRIT System ensures that information are made available at the international gateway and all polygons are updated timely and seamlessly.

The system Communication Service Module is fully compliant with all satellite services and is able to interface with satellite such as Inmarsat and Iridium. All IMO Approved LRIT Compliant terminals can be integrated with the system seamlessly.

To enable Flag States to better manage their registered vessels, the system management module allows Flag States administrator to have an overall view of their current fleets. The management module also comes with a fully automated billing module, which reduces flag states workload during end of month billings.

Key Features



All the vessels are displayed on a world map view. For specific interest, user can select a particular vessel to get all the required information.

Geofencing and polygons can also be set to effective ensure that Flga States administrator get all the relevant information when the vessel enters the area of interest.

A summary of the vessels that are reporting or otherwise is also available for administrator to review and action.



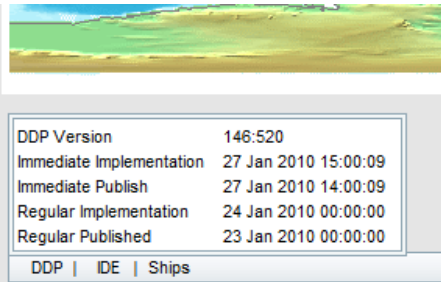
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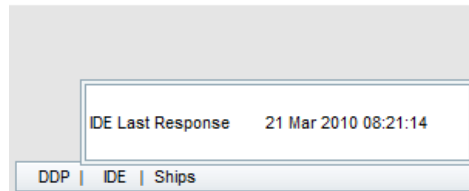
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The system allows a quick view of the current system status. It provides status such as connection to DDP, IDE as well as a summary of the ships under the Flag States via a simple GUI.



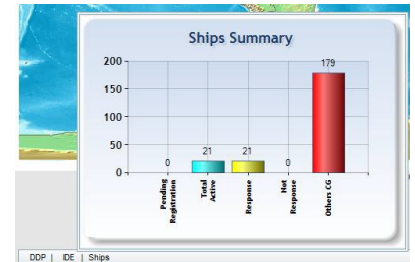
DDP Version	146:520
Immediate Implementation	27 Jan 2010 15:00:09
Immediate Publish	27 Jan 2010 14:00:09
Regular Implementation	24 Jan 2010 00:00:00
Regular Published	23 Jan 2010 00:00:00

DDP | IDE | Ships



IDE Last Response	21 Mar 2010 08:21:14
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DDP | IDE | Ships



Administrator Control

The Administrator Control Module allows the administrator create and edit new/existing user including setting the access rights. Access rights can be narrow down to any functions within the LRIT portal.

Ship Management & Control

The Shipment Management & Control Module provides Administrator a full function to manage and control the fleets. It comes with 4 sub-menu namely:

- ❖ **Registration** – Allow administrator to register single vessel or a batch of vessels that using the same type of LRIT compliance terminal, example C/Mini C.
- ❖ **De-Registration** – Allow administrator to de-register a single vessel from the system, example in the case of transfer for flag for the vessel.
- ❖ **Registration List** – Allow administrator to generate the list of vessel in the system through different status of the vessels.
- ❖ **Create Group** – Allow administrator to create group for vessel categorization. During vessel registration, the group name will be depends on the list of group available in the system.

Tracking

Under Tracking Module, Administrator or user is able to search and retrieve historical tracks of any vessels. Information can be retrieved based on IMO number or vessel name.

Billing

The Billing Moduel allows Administrator to generate invoices for inter-DC billings. Invoice format are customised to reflect the billing entity.

Receivable

- ❖ Account Receivable – allow users to prepare the billing invoices to the other CGs on the data reports being delivered on their LRIT request.
- ❖ Agreement Creation – allow users to create billing agreements with other CGs base on the pre-determine price setting agreed between NDC and the agreed CG. This new price setting will take over price setting in the DDP during the monthly billing.
- ❖ Agreement Listing – allow users to list out all the agreements being created for receivable to the agreed CGs.

Account Payable

- ❖ Account Payable – allow users to prepare the list of LRIT items that NDC has requested during the billable month. This way, users can use it to counter check again other CGs billed invoices.
- ❖ Agreement Creation – allow users to create billing agreements with other CGs base on the pre-determine price setting agreed between NDC and the agreed CG. This new price setting will take over price setting in the DDP during the monthly billing.
- ❖ Agreement Listing –allow user to list out all the agreements being created for payable to agreed CGs.
- ❖ DC Price List – allow user to list out the current implemented price setting from DDP for a particular Data Centre or Country.
- ❖ Price Setting – allow user to setup the future pricing for each data report or request for other CGs reference.

Audit

This Audit Module allows Administrator/users to prepare audit checks on LRIT messages communicated between NDC to DDP and IDE Servers. This module also allows administrator to check on the users activities during a period.



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