

Pelindo III Modernizes Port Management Services with AISSAT® PM-Prime

Business Challenge

PT Pelabuhan Indonesia III, shortly Pelindo III, is a State-Owned Enterprise (BUMN) which is engaged in port services. Established on December 1, 1992, Pelindo III has duties, authorities and responsibilities in managing public ports in several Indonesian provinces. Pelindo III which is headquartered in Surabaya, manages 43 ports spread across East Java, Central Java, South Kalimantan, Central Kalimantan, Bali, West Nusa Tenggara and East Nusa Tenggara.

Pelindo III has a key role in ensuring the continuity and smooth running of the navy to drive the economic activities of the people and the state. Pelindo III has provision and services include dock services for mooring, refueling and clean water services, loading and unloading services for goods, ship delaying services, and so on.

Pelindo III has won several awards as well. Awards won include the Good Corporate Governance Award, BUMN Marketing Award, Indonesia Enterprise Risk Management Award, and the 2012 K3 Award by the Indonesian Ministry of Manpower and Transmigration (Kemenakertrans).

Pelindo III wishes to continue to improve services to their service users. For this reason, a new ship service application will be created with the code names VASA (Vessel Administration System and Automation) and AMS (AIS Monitoring System).

Currently, Pelindo I-IV has officially been integrated into PT Pelabuhan Indonesia (Persero) or Pelindo since October 1, 2021 as part of the government's efforts to unify port management in Indonesia.



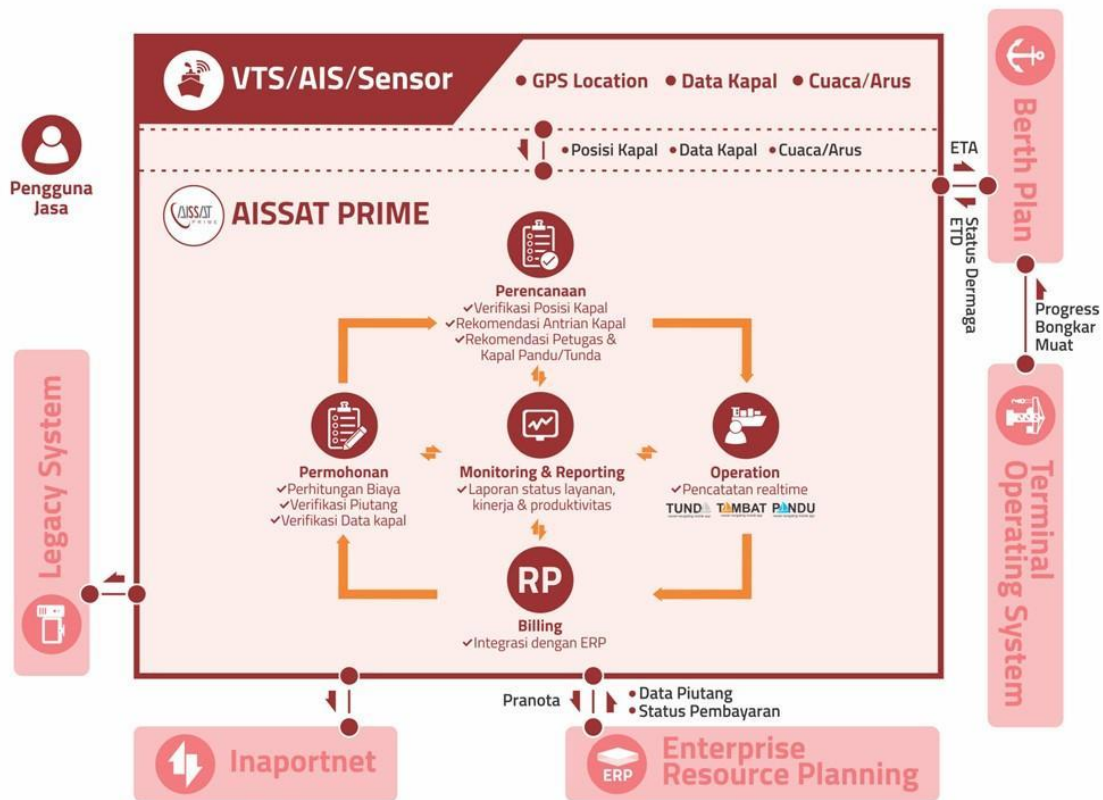
Solution

PT Imani Prima developed AISSAT Port Management (PM) Prime, an integrated management system designed to make it easier for Pelindo to manage ports. The role of AISSAT PM-Prime as a whole can be felt directly by port users when they make requests for ship services to anchor ships, pilot activities, tug and mooring activities until a note is produced. The request for ship service can now be done online, easily and without having a queue by the optimization of the use of the integrated system that AISSAT PM-Prime presents.

AISSAT PM-Prime is easily integrated with any AIS-based data received from the satellite or from the port. The system is also widely open for integration with other systems running around port operation, such as port billing systems, host-to-host banking services, terminal operating systems, and so on.

How AISSAT PM-Prime works can be seen in the following diagram:





Results

- Real-time realization
- Minimization of human error
- Service time efficiency
- Asset monitoring
- Integration with other applications including InaPortnet

AISSAT PM-Prime has been used by Pelindo III since 2016. Pelindo III involves PT Imani Prima in maximizing its services in Eastern Indonesia. Through the use of AISSAT Port Management Prime, this application records data in real-time, both online and offline through a mobile system. Accuracy in terms of anchoring services, tug services, mooring services and ship water services can also be served well.