



SemPAM

Semco Maritime People & Asset Management

SemPAM - A solution for people and asset management developed in close cooperation with the world leading software company Systematic.

Bad weather conditions, the need for flexible planning and the use of large components and equipment are all a challenge to the health and safety of those working offshore. Semco Maritime delivers a turnkey software and hardware solution that provide effective administration, planning and tracking of personnel and other key assets in order to help tackle this challenge.

The vision behind the SemPAM solution is to significantly improve levels of health and safety for workers offshore by managing and controlling the day-to-day activities

via real-time situational awareness about the relevant sites and areas.

SemPAM is based on field proven »off the shelf« products deployed in mission critical environments all over the world. The SemPAM solution has been developed in close cooperation with Systematic - an international and mature CMMI-5 software company with customers across the globe.

SemPAM is specially designed to function even on a low bandwidth and low reliability. SemPAM thereby ensures communication to the people offshore who can be contacted any time and exchange data across satellite and radios via the operational mobile devices sharing a common situational picture with offshore or onshore control centres.

Main Objectives

- Establish a management system, which provides centralized as well as distributed support for multiple sites at the same time.
- Provide effective coordination between vessels and other marine assets, helicopters, site vehicles and personnel, across all sites – both onshore and offshore.
- Enable voice communication between personnel, vessels, helicopters and vehicles, both onshore and offshore.
- Manage people, vessels, helicopters and vehicles, as well as personnel transfers to and from sites, based on transport requests and access rights.
- Support communication and sensor platforms at multiple sites, to ensure centralized situational awareness and radio communication.



SemPAM

Solution product suite

SemPAM - SITE Situation

SITE Situation coordination center software is currently in operation in more than 50 countries worldwide. SITE Situation provides an easy way to maintain an overview of what is happening at multiple sites via surveillance, coordination, tracking and controlling of personnel, vessels, vehicles and aviation assets, as appropriate.

SemPAM - SITE Planning

SITE Planning registers basic information about both marine and aviation assets.

It also ensures effective planning of personnel transfers. This provides a reliable foundation for registering the location of people, vessels and vehicles working at and around sites, whether onshore or offshore.



It also makes sure that personnel are properly inducted into the health and safety regulations in force at each particular site, and hold valid certificates for their particular job roles. It also makes it possible for personnel to carry out self-service induction and registration.

SemPAM - SITE Terminal



SITE Terminal is specially designed for use on board crew transfer vessels, aircraft or vehicles operating in demanding environments. The

user interface is specially adapted for the harsh environments often encountered by those working at sea.

SITE Terminal shares its situational awareness picture with all other SITE installations via SITE Communication. As a result, all vessels, helicopters, vehicles and other assets are presented on the SITE Terminal and in the SITE Situation coordination center.

SemPAM - SITE Mobile



This application for mobile use is designed for the individual technician out in the field. It enables the user to be an integral part of the SITE solution, requesting access to assets and with rapid, effective connections to the control center as well as other personnel on site.

SITE Mobile also provides a messaging function, which is integrated with the overall messaging solution embedded in the SITE software suite. This means that messages can be exchanged with the control centre, SITE Terminal and other SITE Mobile installations, for example.

SemPAM - SITE Communication

The SITE software suite is a field-proven solution specially designed and configured to perform under extreme conditions, and even when communication links are poor. Under such conditions, the most important information – such as the actual location of personnel – is automatically prioritized.

One of the key differentiators of

this software solution lies in the interoperability of the separate components within the SITE product suite, as a result of SITE Communication. This is a data communication software capability that automatically shares tracking of personnel, marine and aviation assets and other equipment, providing asset status as well as transfer sheets. SITE Communication is implemented via any appropriate data networks available on site, including radios, TETRA, DMR SATCOM and other similar devices and technologies.

SemPAM - Dispatcher

To ensure safe operation without any injuries, offshore voice communication between the personnel offshore and operations centres is vital. The fully integrated radio dispatcher solution provides the ability to tie-in different radio technologies into a common interface from where it is possible to communicate efficiently and precisely to the personnel located offshore.



SemPAM - Tracking

To support the SITE software suite Semco Maritime offers a tracking solution as part of SemPAM. The standard SemPAM solution topology is based on RFID topology for tracking and identification of individuals.



For further information please see our website:
www.semcomaritime.com