



# SAAB



WHAT **INCREASED SECURITY, LOWER COSTS**  
THROUGH **FLEXIBILITY AND CONTROL**  
BY **SOA-BASED SOLUTIONS**

## NET CENTRIC **SECURITY** FOR **SEAPORTS**

### **General**

The Net Centric Port (NCP) is based on Saab's Net Centric Security concept, NCS. The Service Oriented Architecture (SOA) enables various kinds of equipment and systems to cooperate over the network - regardless of physical position and supplier. The result is a flexible, robust security solution that is easy to maintain and can be adapted and improved to meet your activity's every requirement.

### **Control**

Learn to know the traffic moving through your ports! The NCP's integrated and fully distributed command and control system provides unrivalled situational awareness - from ships down to individual containers. Sensors ranging from radars and transponders to cameras, smart cards and RFID's are handled by the system. Sensor data and other information are combined into the Common

Operational Picture, which is distributed to every level of your organization - from commander to patrolling guard. Automated surveillance equipment helps you monitor your protected areas. Anything out of the ordinary, such as a person behaving suspiciously, or luggage left unattended, is automatically detected through advanced video processing.

### **Efficiency**

From traffic management and goods handling to access control and passenger screening - the NCP can bring all your systems together. The Command and Control system helps you manage your resources in the most effective way - during planning as well as through execution. The NCP may also be connected to surrounding authorities, local transportation companies, weather services etc. to create a well organized, effective and secure seaport.

### **Security**

The NCP's effective flow of information yields more control, allowing the torrent of ships, goods and people to be increased with maintained or improved security. NCP is the complete solution to your seaport's every security need - both on land and at sea.

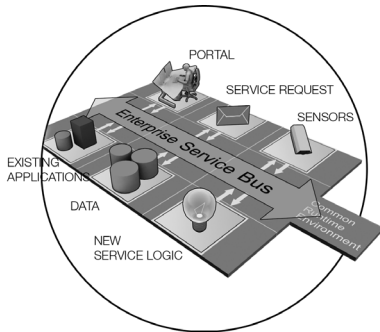
### **Optimal business solutions**

Saab can take total technical responsibility including integration and selection of subcontractors, and through our partners we can man your system. Naturally, we also provide on-site support and maintenance of all delivered equipment.

Whether it's a system installation or a complete turnkey, total integration solution you need, Saab can provide it.

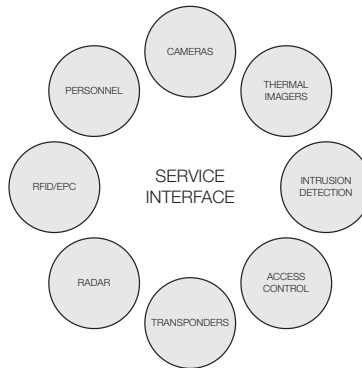
## SOA-BASED

Built on the Service Oriented Architecture (SOA) principles for maximum flexibility and easy maintenance, NCP enable continuous upgrades and improvements.



## FREEDOM OF CHOICE

The NCP architecture allows any sensor, system or other piece of equipment to be integrated. Old and new equipment can work together through the Service Interface.



## COMMAND AND CONTROL

The NCP's fully distributed command and control capabilities are provided by the Saab Wearable Command Unit (WCU), which includes stationary and mobile units as well as hand-held systems.



## OPEN STANDARDS

The NCP uses open standards only. New requirements from national and international organizations can be implemented easily and safely without increased costs.

- The Common Alerting Protocol (CAP) is used to integrate alarm functions.
- Sensors are controlled using the Common Command Protocol (CCP).
- The system relies heavily on XML, e.g. when designing reports or MMI layouts.

## SENSORS

- Cameras and thermal imagers
- Radar
- RFID/EPC
- Access control points
- Transponders
- Support for multi-sensor fusion through Saab's world class data fusion engine.

## ACCESS CONTROL

- Smart card technology, e.g. Mifare-cards.
- Support for biometric access control procedures like fingerprint, face recognition etc.

## SITUATIONAL AWARENESS

- Exceptional Situational Awareness for all levels within the organization through the Common Operational Picture (COP).
- The NCP is fully distributed. Functionality is defined by role and task - not physical location.
- Role-based for maximum efficiency and security. Relevant information is easily accessible, but irrelevant data is suppressed, reducing information load.
- Multiple levels of decision support.
- User friendly. The MMI is optimized in accordance to hardware, user role and task at hand.