



SAAB



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

NET CENTRIC **SECURITY** FOR **POWER PLANTS**

General

The Net Centric Power plant (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 location or supplier. The result is a flexible, robust security solution that is easy to maintain and can be adapted and improved to meet every threat to your facility.

Distributed Command and Control

The NCP's integrated and fully distributed command and control system gives you unrivalled control of your security zones, effectively preventing anyone from entering unnoticed. Sensor data, together with the location and status of your personnel and vehicles, are merged into the Common Operational Picture. This is then distributed to every level of the organization - from commander to guard on patrol.

Highest degree of automation

Automated surveillance equipment, such as motion or heat sensitive cameras, in combination with advanced image processing and sensor logic gives maximum security without relying on humans constantly monitoring displays. This reduces the security officers' workload, enabling them to stay focused. And the NCP's multiple levels of decision support helps them take swift and effective measures - even when under pressure.

Bring all your systems together

Thanks to its SOA-based design, the NCP can interact with all your systems. The NCP may also be connected to the systems of surrounding authorities like police, fire departments and emergency management agencies.

Security

The NCP's effective flow of information brings more control to every level of your organization - from control room to patrolling guard. The NCP helps you meet any threat to your power plant's safety - now and in the future.

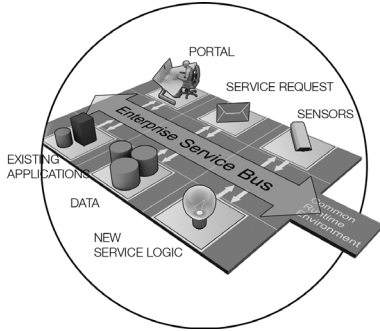
Optimal business solutions

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.

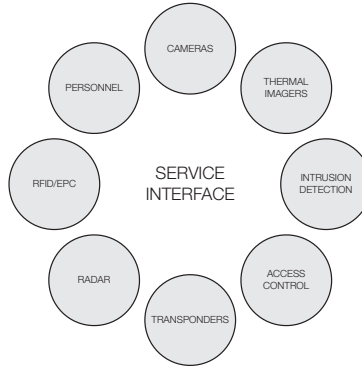
SOA-BASED

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



FREEDOM OF CHOICE

The NCPP 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 NCPP'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 NCPP 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
- Intrusion detection equipment
- 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 NCPP 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.