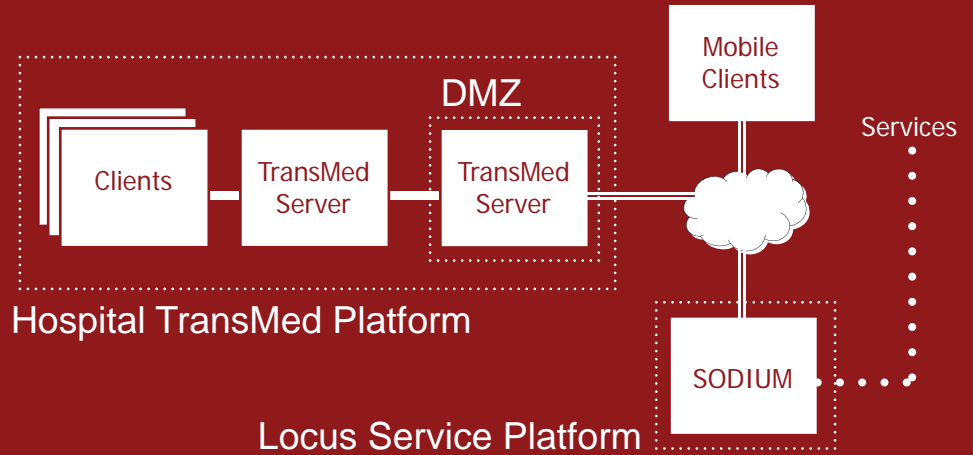


Service Oriented Development In a Unified fraMework

Pilot - Locus TransMed application Norway

Application Infrastructure

- Installed locally on all emergency canters (11x or 911's)
- Server and clients
- Mobile units connected to each emergency centre
- Accepted security regime



Problem – Crisis management scenario

- Receive call
- Get caller's name
- Get caller's position
- Get best suited ambulance
- Determine shortest route from the ambulance to the scene of the accident
- Display map
- Transfer map to the ambulance



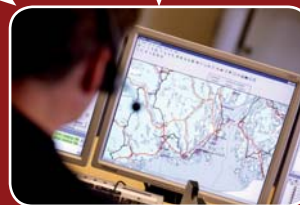
Receive call



Find name and position of the caller



Find shortest route
Get position of ambulance



Transfer map to ambulance



Advantages using SODIUM

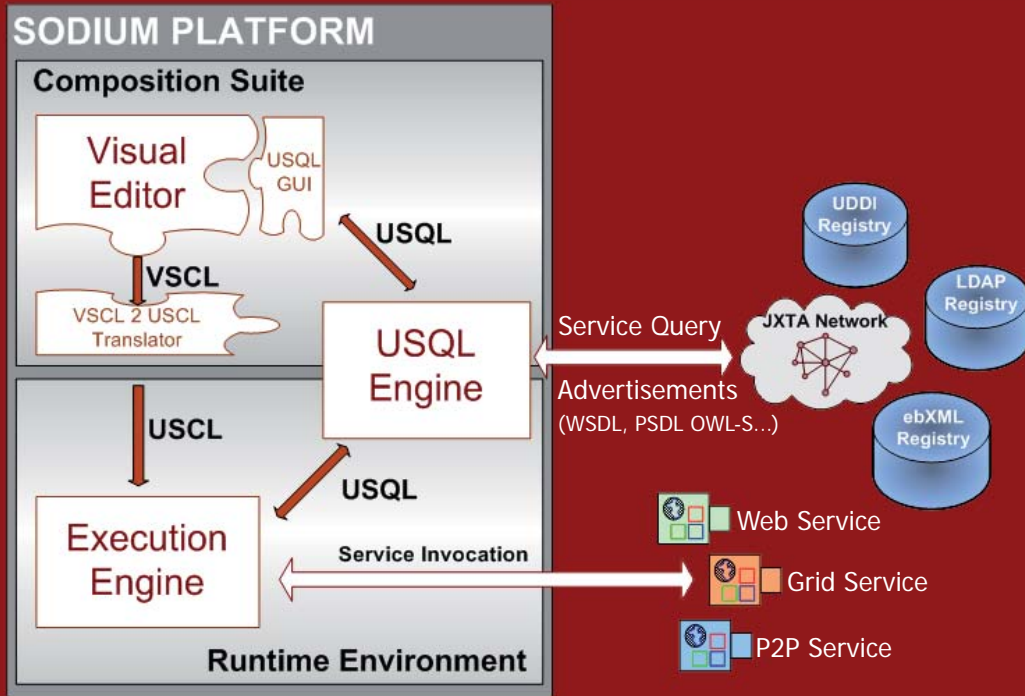
- **Improves the development process of software products**
Integrating re-useable, service compositions in them.
Do development of new services easier
- **By using the SODIUM platform we will**
Compose, discover and execute re-useable and adaptable compositions
Use heterogeneous services in a unified way.

- **Advantages**
One solution for many products
Presentations in applications are transparent
Encapsulating the composition content
Change in internal structure of the composition will not affect the application
- **Enhance the focus on service provisioning**
Internally within own organisation as a service constructor
Externally as a service provider

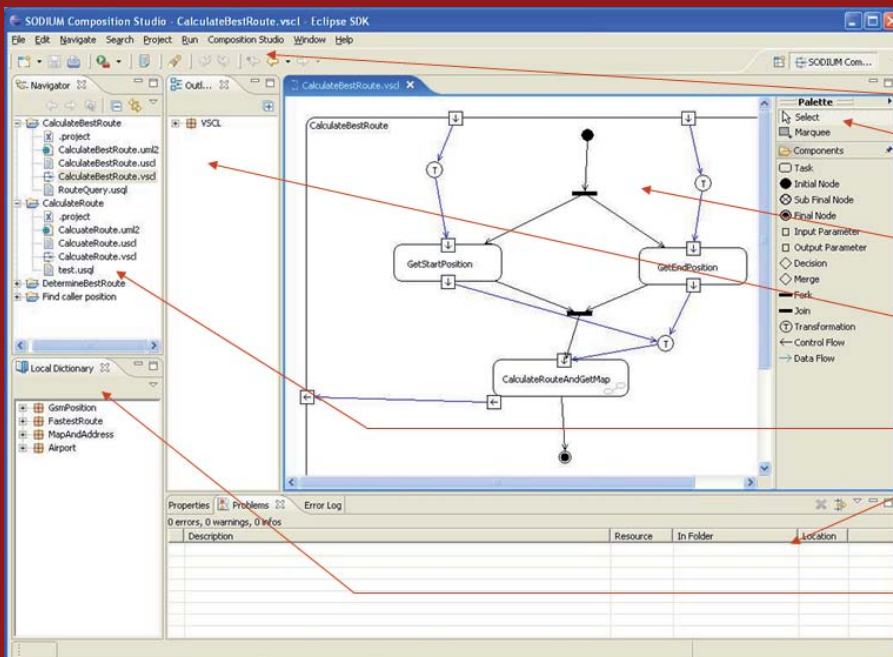
By using SODIUM we adapt to the markets focus on SOA.



SODIUM Platform Architecture - Overview



VSCL Editor – prototype screenshot



- Composition Studio menu
- Palette with available model element types
- Visual editor with the composition
- Tree view of the composition
- Eclipse project view
- Property view of the currently selected model element
- Local dictionary with imported services, service operations and data types