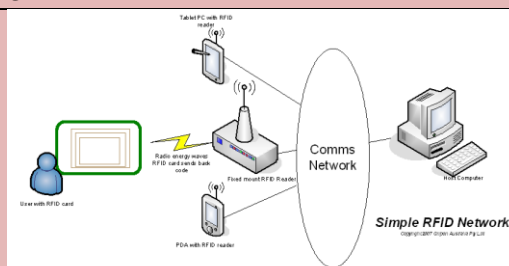




## Semantrix and RFID Patient, Staff, & Asset Tracking: Delivering smart automation of Health Service Workflows to provide real-time sensing, management, and improved responses at each stage of the patient or asset lifecycle.

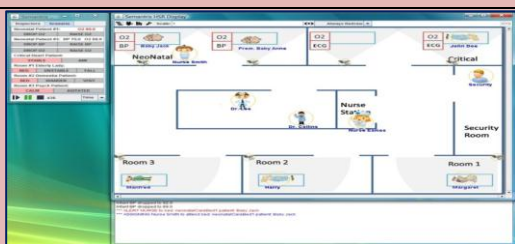
Leverage RFID Tracking for all Hospital Resources (Staff, Assets and Patients)  
Actively monitor your patients location using Patient NFC /RFID/tags – confirm identity, location, and provide security  
Staff tags identify resources in an area with the skills to handle an emergency or situation/activity  
Smart sensors track assets patients, staff in real-time

The Semantrix: Health, Sense & Respond (HSR) system accepts real- information from RTLS tags and patient sensors, integrates with patient information and other hospital administration systems, and tracks and monitor patient activities and status – automatically publishing it.  
Provides staff with their patients current state, scheduled treatment plan activities, and diagnostics in real-time.  
Deliver content on any mobile device to you regarding planned or reactive patient treatments or emergencies.



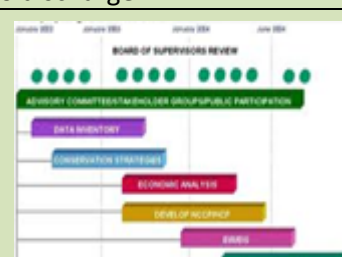
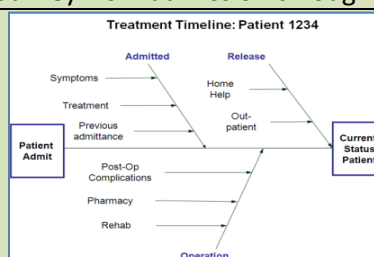
We can tag and track each element in the Hospital service chain and tell you **WHERE** Patients, Staff and Assets are at any point in time.

Interfacing to mobile devices allows Staff to always know **WHAT** patient activity is happening or is scheduled – “Smart real-time Decision Support in your pocket”



Assets can be managed throughout their life cycle for optimised use, availability, auditability and compliance. – using active or passive tags

**WHEN** activities or incidents occur they automatically compile into the HSR “**Treatment Timeline**” – profiling the patients journey from admission through to discharge



Low cost passive tags for permanent, reusable and disposable use brings automation and economies into a complex logistics, inventory and asset management environment.



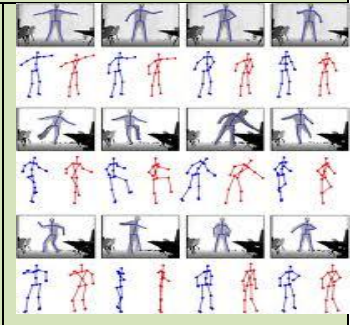
**HOW** to respond based on patient history, sequence of events and available resources— leveraging HSR’s integration of Medical Databases like SNOWMED CT. Future decision support must be Real-time & Location-Aware



Real time sensing systems integrate into the Semantrix HSR Real-time Information Management & back office applications. RFID and Smart Information integration and publishing support – means more informed decisions - delivering “better patient outcomes”.

The HSR core correlates and delivers relevant high quality data to the assigned and/ or closest identified staff member to prevent or respond to a patient change in status or an emergency.

“Up-to-the-Minute Patient details at your fingertips”.

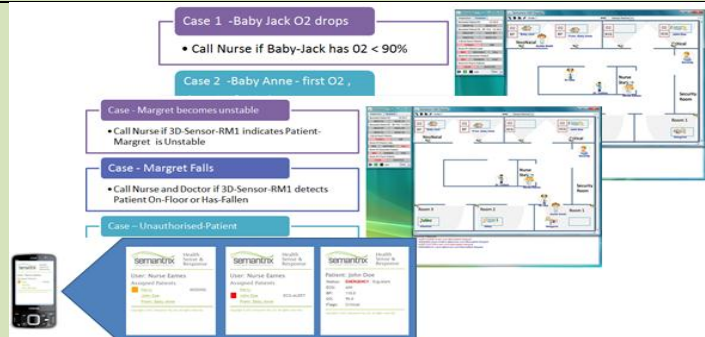


Optimising Hospital Resources to be effective & cost efficient – linking tagged people and asset management with HSR workflow & scheduling

- Tracking movement of critical assets (security and proximity)
- Ensuring optimised availability and utilisation of assets – real-time tracking ensures maximum utilisation of resources can be achieved
- Improved Asset Maintenance
- RFID Tracking in combination with HSR will let you know where the closest relevant piece of needed equipment is in an emergency

The Situational Awareness and Decision Support features of HSR leverage the information provided by RFID RTLS systems plus emerging NFC/RFID/Mesh and Smart Vision sensors to support:

- Multi-sensor monitoring and alerting
- Patient Behavioural Monitoring (non-contact)
- Falls detection & prevention (non-contact)
- Effective management of patient ratios
- User specified “scenarios” (Col’s) which HSR monitors – generating real-time mobile device alerts to staff
- HSR can monitor trends in temperature, drops in O2 or BP, ECG alerts, and identify “unstable” patients, potential “Falls Risks, and enhance patient security



**The future is available today: Location-aware, Patient Sensor and Information Integration, combined with Automated Dynamic Publishing & Intelligent Decision Support – automatically delivering the specific information a medical professional needs to on a mobile device - right next to the patient**

**RFID Tracking & Semantrix delivering better patient outcomes**