

## About TSB soluciones

TSB soluciones S.A. establishes and develops **new technologies for customized healthcare and wellbeing solutions**, improving people's quality of life and using its technological and research abilities to create new business opportunities.

TSB soluciones S.A was founded in February 2008 as a spin-off company of the **ITACA Institute of Polytechnic University of Valencia**. Drawing on more than ten years' research experience in the socio-sanitary sector, it has the capacity to efficiently evaluate and maximise business potential of **R&D results** as well as to bring new **solutions and products** to the market that meet the needs of our clients.



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Efficiency and security  
of Home Care Units



## What is NOMHADhospital®?

NOMHADhospital® is an e-Health solution that enables effective and efficient management administration of resources in Home Care Units.

## Use cases and scenarios

NOMHADhospital® is designed for use in hospitals, clinics, residences and service providers to maximise the efficiency and ensure the smooth day-to-day running. It also provides quick-and-easy access to structured and clinical information from any location, thus avoiding problems such as duplication or loss of data as well as transcription errors.

## How does it work?

NOMHADhospital® applications work on a technological infrastructure made up by the following components:

- Central server: with database manager and application server
- Fixed stations: PCs used by staff to access the server from the different locations.
- Mobile stations: TABLET/PCs used by staff on patient's home visits. PDAs used by patients to send their vital signs to the server from home.

Devices use GPRS/UMTS to communicate with the central server, sending and receiving patient's information

## Main functions

- Management module of care service activities
  - Professional diary
  - Patient administration
  - Pre-admissions management
  - Admissions management
  - Discharge management
  - Home care service (Tablet-PC / UMPC / PDA)
  - Diagnostic and treatment support
- Human and technical Resources module
  - Healthcare professionals management
  - Devices and systems management
- Logistics module
  - Stock management
  - Pharmacy management
- System security module
  - User management
- Mobility

All these modules are extendable and adaptable depending on client needs.

## Benefits

The solution is based on the use of different wireless technologies to enable communication with the hospital from any device, which makes it easier for the medical professional to do their job whilst out on home visits to their patients.

Also this system will improve the general management of the hospital, optimizing and controlling the resources available such as human resources, beds, instruments, pharmacy saving costs.

The beneficiaries of this solution will include not only the unit's healthcare professionals but also those patients suffering from chronic or acute medical conditions who will be able to receive care in their own homes, without having to leave their affective, social and cultural environment or be removed from their points of reference. The use of these types of solution will ultimately mean improved patient care.



Terminals used by personnel to access to NOMHADhospital®



Solution designed for use in Home Care Units. Patients are entitled to receive care in their own homes



Control of ECG, blood pressure, cardiac frequency and blood oxygen saturation levels.

