



IoT Solutions

Development Portfolio



About us

ASSIST Software was founded in 1992 and is a software company based in Suceava, Romania. ASSIST Software specializes in outsourcing software development projects.



28 Years of
Experience



200+ Full-Time
Employees



240 Clients
around the world



463 Projects
Completed since 1992

IoT Software Solutions

Development Portfolio



HealthBeacon

Health Beacon (<https://healthbeacon.com/>) is a medication adherence technology company. They develop smart tools for managing medication. The Health Beacon is a smart sharps bin for patients who self-inject medications at home. It is digitally connected and programmed with your personal medication schedule and uses customized reminders to help you start and stay on track with your medication.

ASSIST Software developed a web application for managing the devices, patients and medical staff. The technology used is Django Python and the application is directly integrated with the devices firmware.

The application is hosted on AWS and is HIPPA compliant. The entire cloud architecture is designed and maintained by ASSIST Software in production.



WEBSITE

VIDEO



STATSports APEX Live

APEX Live is an application used by professional sports teams around the world (Premier League, Primera Division, NFL etc.) to manage the training sessions and monitor live matches.

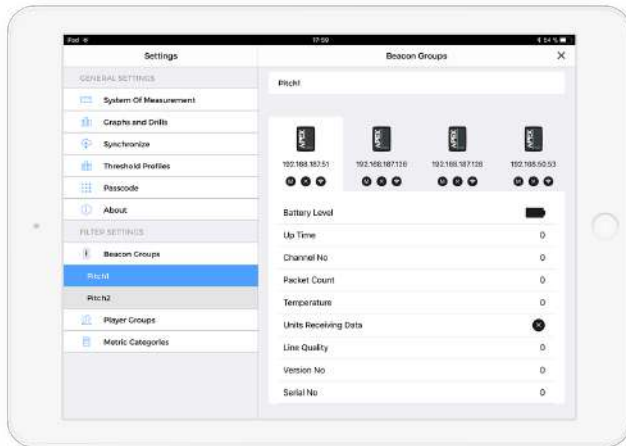
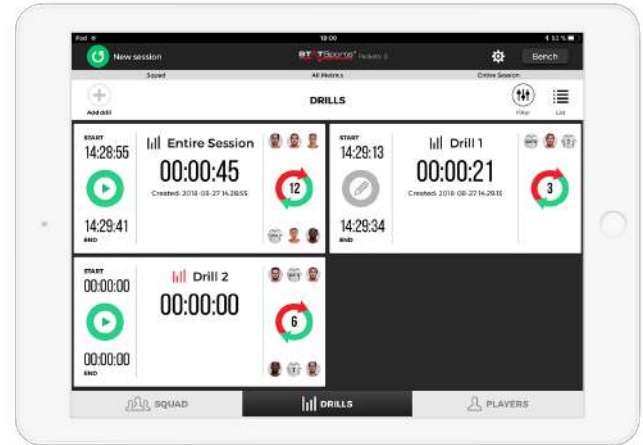
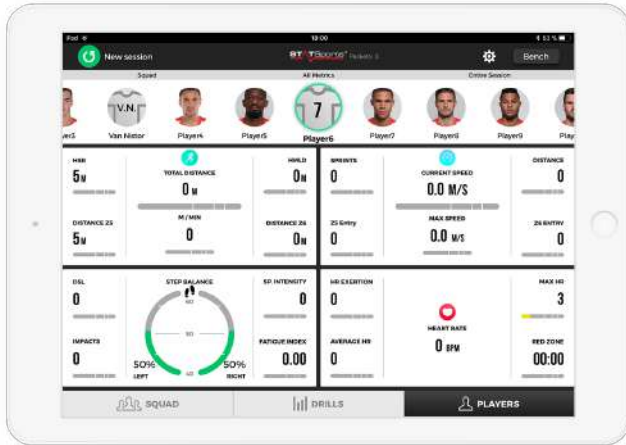
The application mainly targets football, rugby and American football and it uses the APEX hardware to record player live metrics. Each player wears the APEX Pod while training or during live matches, the pod records metrics such as positions, accelerations, impacts, metabolic rates etc. and sends them to the iPad via UWB (ultra-wide band).

The coaches and sports scientists use the iPad application to monitor the parameters live and make instant decisions for each individual player as well as for the entire team.

[WEBSITE](#)

[DEMO VIDEO](#)

*The password for the video is: demo



Firmwave

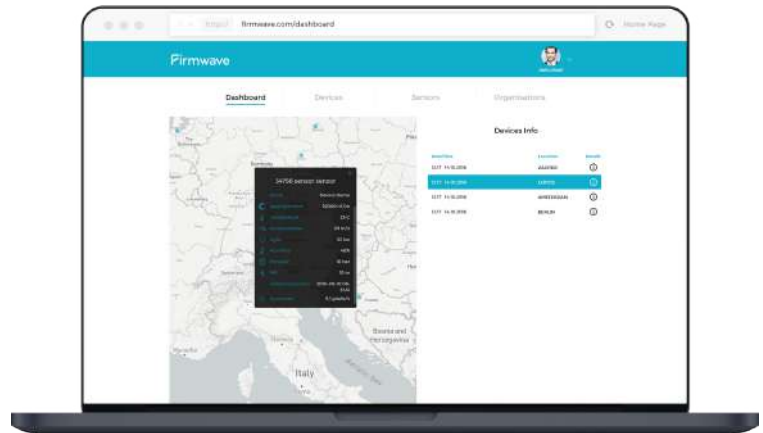
Firmwave cloud dashboard is a product developed for Firmwave Ireland to remotely manage and monitor IoT hardware from different vendors such as Intel, ARM, etc.

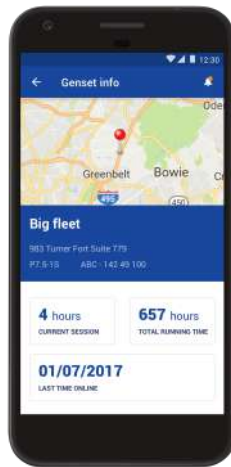
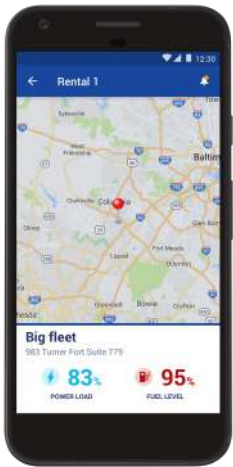
Some of the main functionalities include:

- Managing the entire lifecycle of devices, from provisioning, OTA firmware updates, configuration changes and decommission.
- Visualising and monitoring data provided by a series of sensors such as: temperature, pressure, humidity etc.
- Tracking fleets of devices using GPS locations
- Sending alerts vis SMS

Developed in Python/Django, the web application is secured following the industry standards, all communication is encrypted with HTTPS and ECDSA. The deployment is done using Docker and supports public cloud such as AWS, Azure or private data centres.

[WEBSITE](#)





FG Wilson

For over 45 years, the FG Wilson product brand has been a major global player and world leader in the provision of power generation ensuring power is delivered when and where it is needed.

Unlike other generator set suppliers, the FG Wilson brand isn't just a product. From initial assessment of your power needs, through to implementation of your power system and round the clock support, FG Wilson Global Dealer Network provides a complete end-to-end service throughout the product life cycle.

[WEBSITE](#)

[DEMO VIDEO](#)

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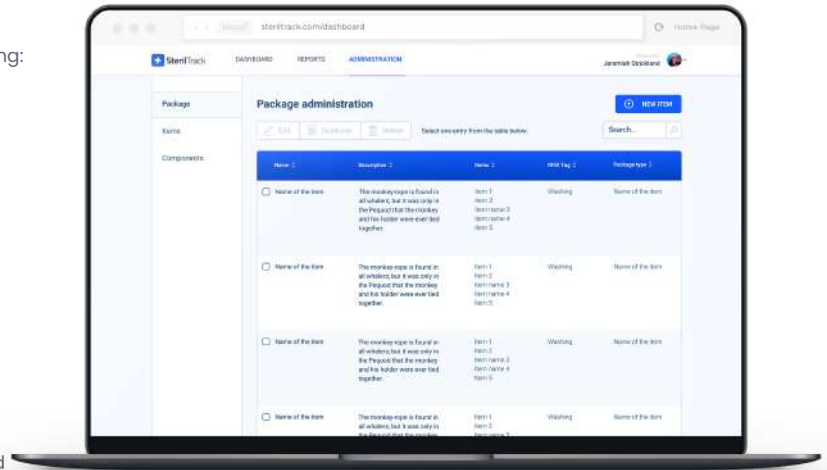
SterilTrack

SterilTrack is an ASSIST Product developed in partnership with the Regional Hospital in Suceava, which is an RFID technology-based software solution that aims to help sterilisation facilities to better control and monitor the sterilisation process.

Among the advantages of SterilTrack we can mention the following:

- auditing the sterilisation activities
- quickly locate a specific item
- validation of the sterilisation of surgical instruments
- enforcing strict rules and avoiding human errors
- highly configurable to meet all types of sterilisation areas and sterilisation machines
- portability by using fully connected high-performance RFID scanners

SterilTrack uses Rails for the backend, MySQL as a database, and Angular for the web application interface. We also use an Android application for the user interaction with the RFID scanner.



[WEBSITE](#)



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