



Client **Connect Security Solutions** 
Security | Safety | Compliance

IOT-BASED SECURITY PATROLLING SYSTEM

ÄHDUS TECHNOLOGY Joins Hands with Connect Security Solutions as their IT partner for an “Intelligent IoT based Security Solutions”

Introduction

Connect Security solutions, founded in 2004, has for many years been at the leading edge of patrol and workforce management solutions. They are trusted suppliers of the world's leading security and Facilities Management companies.

Here are the list of the solutions they can offer and the different technologies available:

- **Guard tour.co.uk**

It is an original brand and longest serving website. Offering fit-for-purpose, robust GuardTour systems with comprehensive features and support.

- **Blueskytrail.co.uk**

It is a versatile and modern way to monitor and manage mobile staff. It can be Mobile patrols, porters, or center staff they ensure that nothing is missed.

- **Blueskysoftware.co.uk**

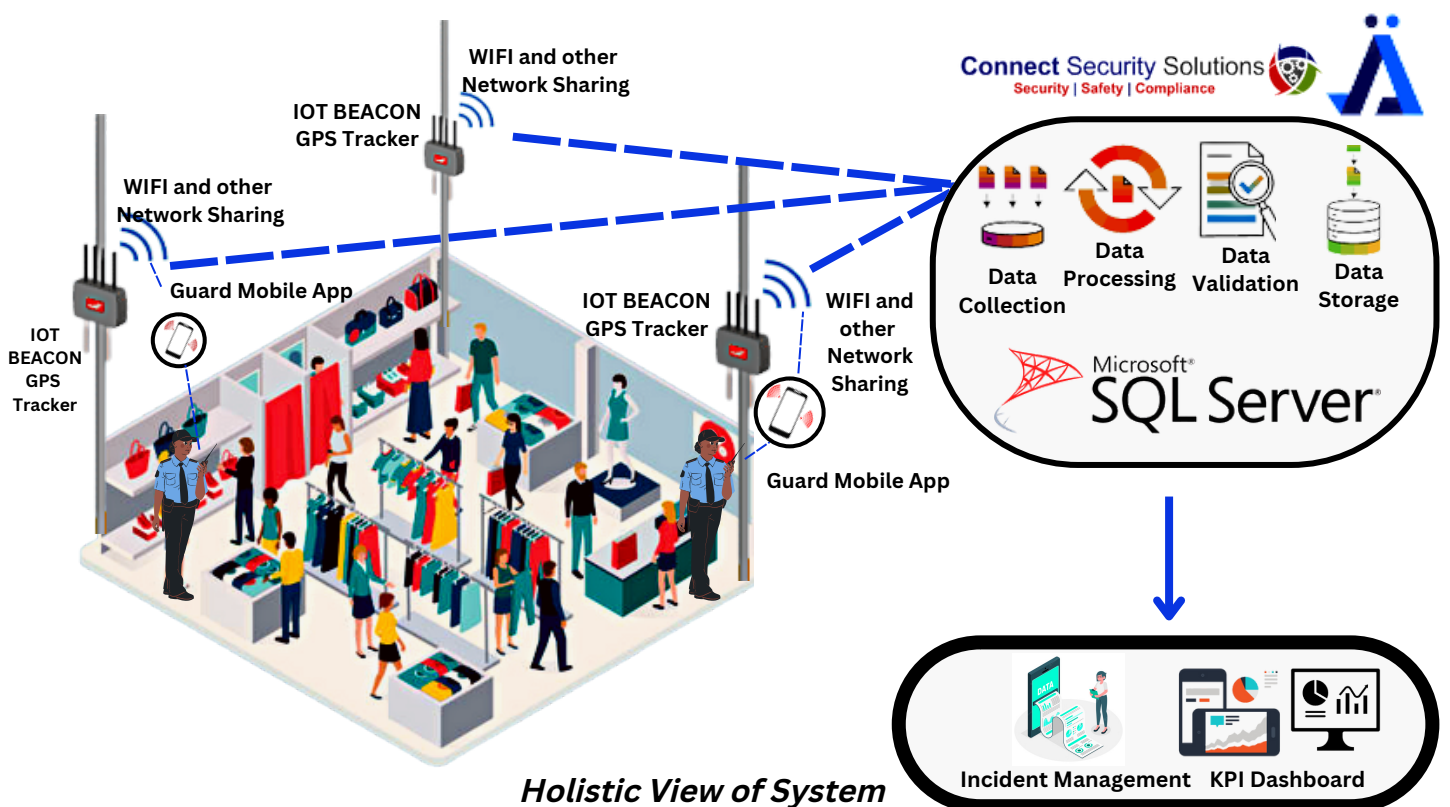
It is a lone-worker range of products. They have an extensive range of hardware with fully managed software and BS 8484 Call Centre to ensure your safety.

Objectives

- Team ÄHDUS TECHNOLOGY was responsible to develop an ecosystem of Intelligent Security System for Connect Security Solutions
- Gathered data from IoT devices and then present it with a single click
- Could see and monitor its performance and efficiency on the KPI dashboard.
- To get an analysis of the security process monthly and daily.

Solutions

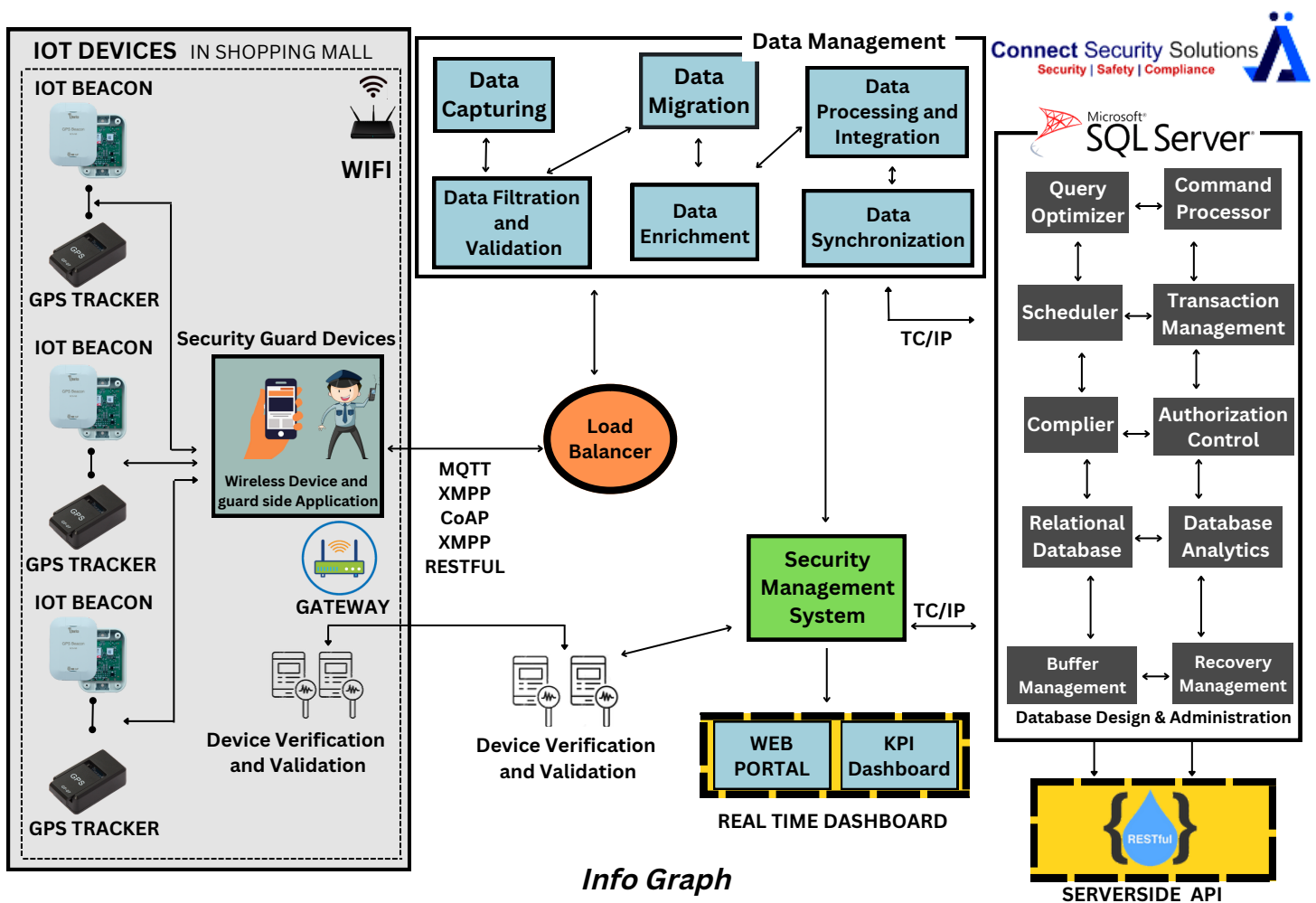
- We developed the connection of mobile app with all the IoT devices becons, GPS trackers.
- When connections are developed with the help of APIs, the collected data from the mobile app transfers to the web portal. Meaning data is extracted through data mining and shown to the KPI dashboard.
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Challenges

One of the big challenges included that the data in IoT devices were coming from third-party API Traccar. We removed the dependency on third-party traccar and built our own API, which was later integrated with our web portal.

There was a huge amount of data, which the client wanted us to store in the database. And then we had to make it visible with a single click.



Business value

Allowed the client to monitor the security of hundreds of places, adding the activities to the KPI dashboard simultaneously. To help owners avoid scams and falsely accused money, scammers cant scam you because you have a visual history of the incidents in your system, which you can present to the law.

Customer Satisfaction

Our clients were super impressed with our direct and solution-oriented approach. Our huge plus point removing the third part API.

SKILL SET

- ARTIFICIAL INTELLIGENCE (NEURAL NETWORK, DATA MINING DATA CLUSTERING)
- Java
- ASP .NET MVC
- ASP .NET CORE
- Network Sharing Devices
- Ms SQL Server
- RESTFUL API