

## CASE STUDY

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Enhancing Tanktel's Data Collection and Monitoring Capabilities  
with Webdyn EasyTunnel AUS



# Context and challenge

This project has been deployed by AustralisM2M, our partner, to Tanktel company, a leading provider of real-time monitoring solutions for silos and storage tanks, faced a challenge in upgrading their existing data collection methods.

They needed a new 4G device that could seamlessly integrate with their current server/application while offering flexibility in connecting various sensors.

The challenge was to find a device that not only met their connectivity needs but also provided compatibility with multiple sensors for diverse applications in commercial, agricultural, and industrial sectors.

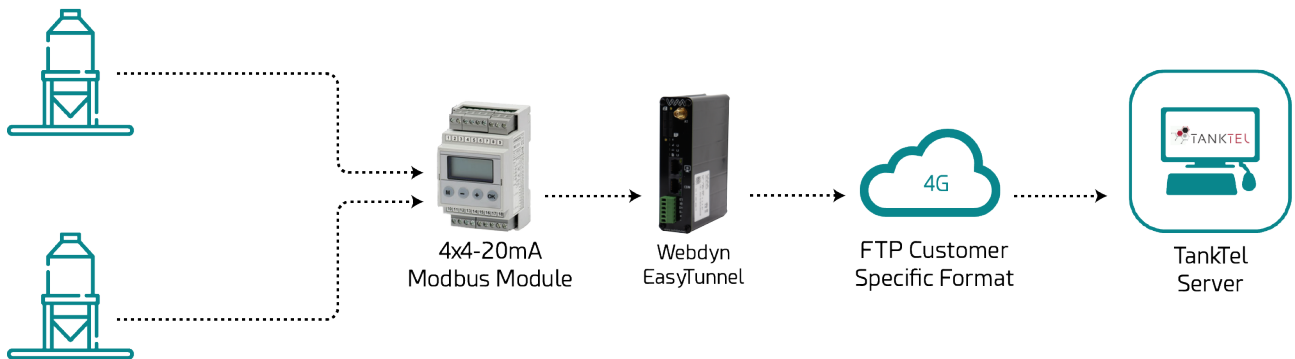
## Solution provided: Webdyn EasyTunnel AUS

Tanktel found a fitting solution in the Webdyn EasyTunnel AUS, an innovative IoT device tailored for the Australian market. This device offered several key features that perfectly addressed Tanktel's requirements:

- **Versatile Sensor Connectivity:** The EasyTunnel AUS provided TankTel with the flexibility to connect to multiple sensors, either via Modbus IO modules or directly to Modbus sensors and site Scada/PLC systems. This versatility ensured that TankTel could accommodate a wide range of sensors, catering to diverse applications in different industries.
- **Data Transmission Compatibility:** One of the critical challenges for TankTel was ensuring seamless data transmission in the required format. The EasyTunnel AUS solved this issue by enabling data transmission through FTP in the exact format requested by Tanktel's existing solutions. This compatibility ensured that the integration process was smooth, allowing Tanktel to maintain their workflow without disruptions.
- **4G Connectivity:** With 4G connectivity, the EasyTunnel AUS provided Tanktel with a reliable and fast network connection. This feature was essential for real-time monitoring, allowing Tanktel to receive and analyze data without delays, thereby enhancing their overall operational efficiency.
- **User-Friendly device:** Tanktel found the EasyTunnel AUS very easy to use. Its intuitive interface and easy setup procedures made it effortless for Tanktel's team to implement and manage the device. Its flexibility is allowing Tanktel to connect to more devices and systems than they could with previous solutions.



# Architecture



## Benefits of Using Webdyn EasyTunnel:

- **Enhanced Connectivity:** The EasyTunnel AUS version's flexibility in connecting to various sensors and systems expanded Tanktel's connectivity options. This versatility enabled them to serve a broader range of clients with diverse monitoring needs.
- **Seamless Data Integration:** The device's ability to send data in the required format via FTP eliminated compatibility issues, ensuring seamless integration with Tanktel's existing solutions. This compatibility was crucial in maintaining data consistency and integrity.
- **Improved Operational Efficiency:** The real-time 4G connectivity facilitated faster data transmission and analysis. Tanktel could monitor silos and storage tanks in real time, allowing them to respond swiftly to fluctuations, prevent issues, and optimize storage conditions.
- **Cost-Efficiency:** By integrating with a wide array of sensors and systems, Tanktel could optimize their resources effectively. This flexibility led to cost savings as they didn't need to invest in multiple, specialized devices for different applications.

The implementation of Webdyn EasyTunnel AUS not only addressed Tanktel's immediate challenges but also opened doors to a more connected, efficient, and cost-effective monitoring solution.