Belintra Fleet Manager

Your IT department can choose to implement the Belintra Fleet Manager software. Belintra Fleet Manager allows central management of all battery-powered mobile IT systems from Belintra such as Medicart IT, Roll-IT, Powered IT Cart and others. This enables optimal and preventive maintenance.

The **Belintra Fleet Manager software** is compatible with all battery technologies that Belintra offers: VRLA, LifePO4 and any other future technologies.

Concept

The concept is based on IoT. A Belintra COW Controller (BCC) is located in every mobile IT device.

The BCC is responsible for intelligent battery management - charging / discharging - and converting the battery voltage into two stabilized DC channels programmable from 12 to 24 Volt.

This BCC will regularly request the necessary parameters of the battery, store it locally in a non-volatile memory with a capacity of approximately one month and then pass it on to a service running on the client PC. This service passes these parameters on to the Belintra Fleet Manager (BFM). The BFM service is only compatible with Windows.

The BFM runs on a virtual server that is included in the server park of the organization. The BFM is a web server linked to an (existing) SQL server. Consulting the BFM is done via an internet browser and can therefore be accessed from various devices (PC, tablet, smartphone, ...).

More detailed technical specifications are available on request.

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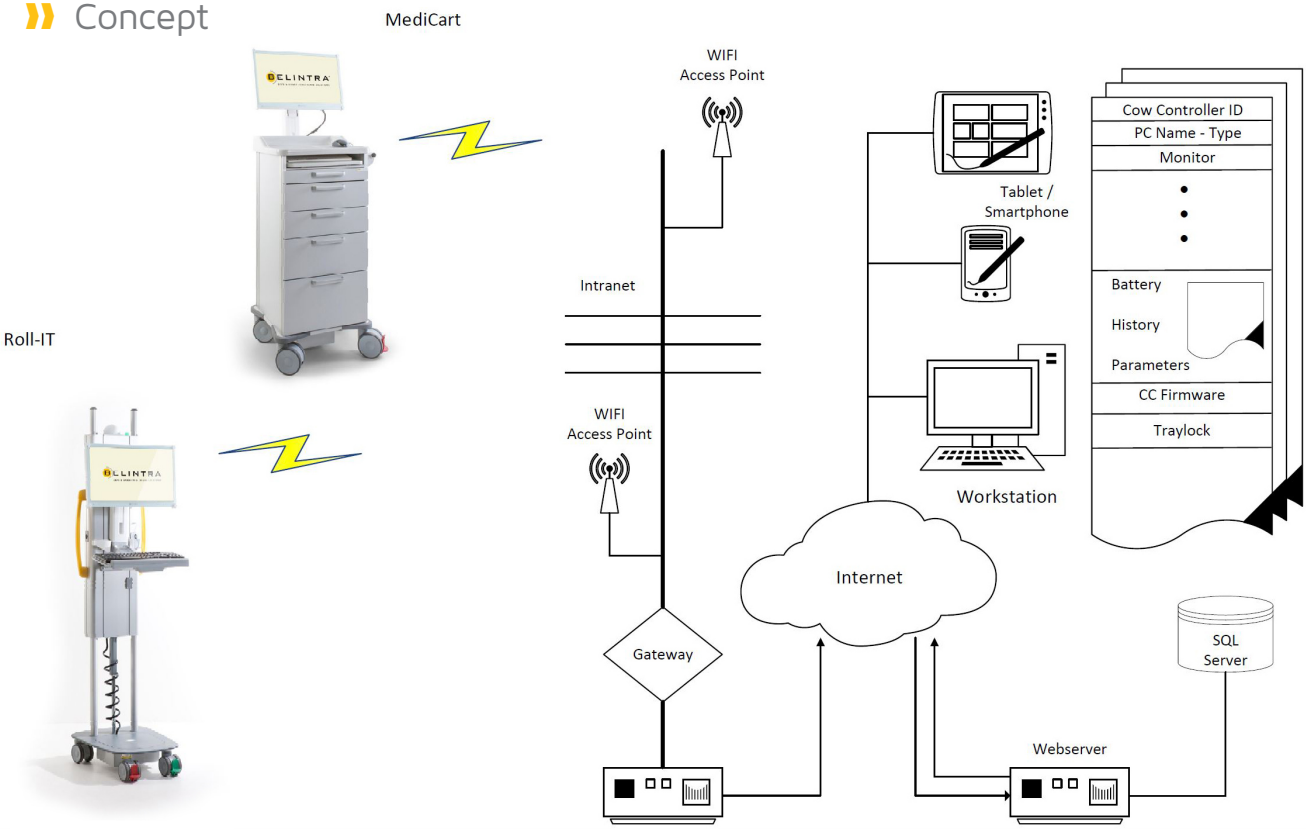
Concept



Functions of the Belintra Fleet Manager

Central battery management
This function allows you to view the State Of Charge (SOC) and the State Of Health (SOH) centrally. Number of thresholds can also be set to send alerts via email to an adjustable address. All data can always be exported via BFM to an Excel file for analysis with utilities such as Microsoft Power BI.

Central management system
This function keeps track of which client, screen and other peripherals are used per workstation. Both mac addresses (Wi-Fi and fixed Ethernet) are automatically requested and entered. The workstation is identified by means of the FTDI chip that is in the BCC (this is the chip that does the USB communication with the client and has a unique serial number). The BCC is therefore the stepping stone for identification in the database, so the unique BCC identifier will be retained when the client is replaced.

Request external maintenance
It is possible to generate a service ticket for Belintra centrally via the BFM. In that support ticket, the necessary data is included to plan targeted corrective maintenance.

Insight into big data
Deploying the BFM will eventually generate enough data to allow all departments to make optimal use of battery-powered devices. The benchmarking data between the departments can provide the IT department with insights to share and manage with the users, in order to reduce the TCO through optimization.

Optimisation of updates
The BFM makes it possible to provide all mobile IT systems in the fleet remotely and automatically with firmware updates.

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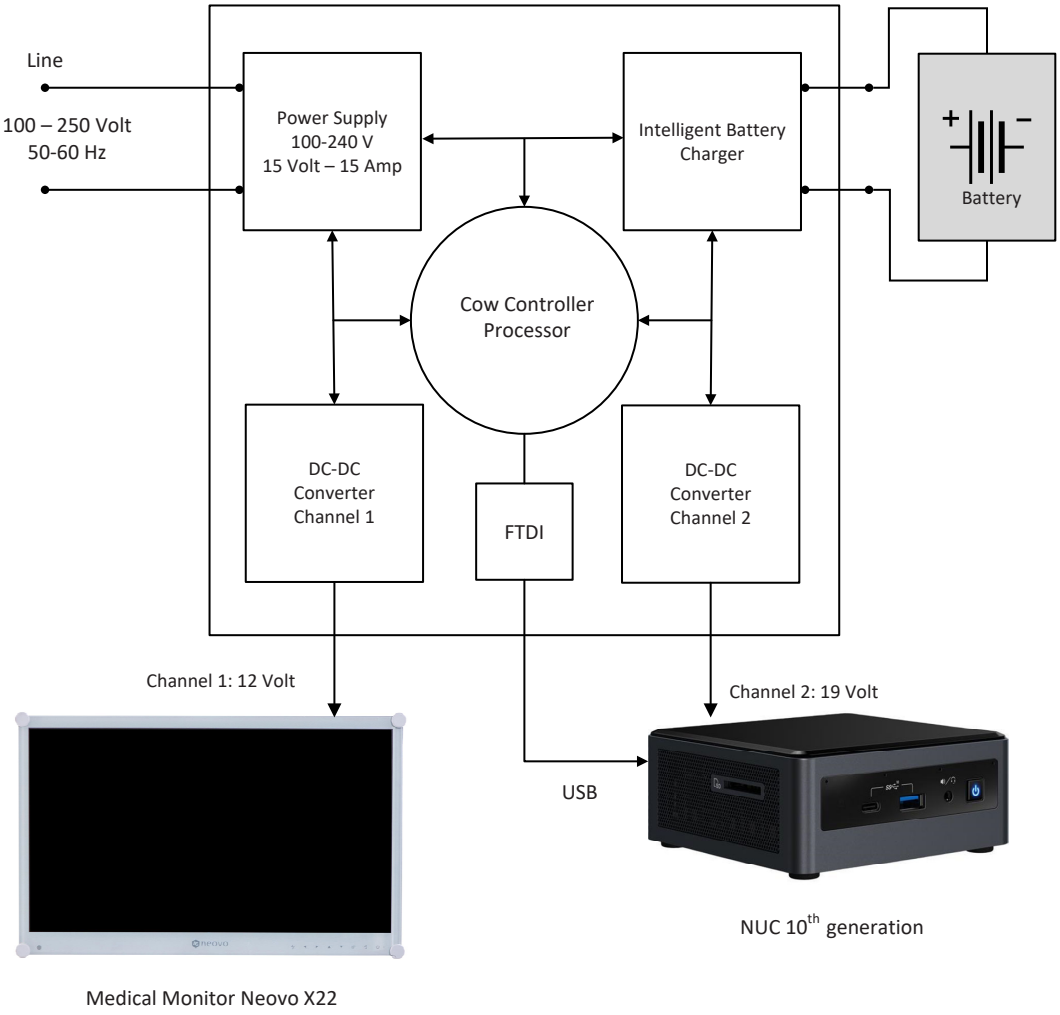
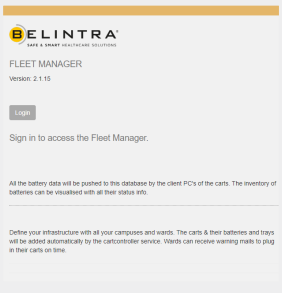
Example - Block Diagram Belintra Roll-IT



Medical Monitor Neovo X22

NUC 10th generation



Belintra Fleet Manager

Article Number	Description
32001 00001	Fleet Manager purchase + installation costs
32001 00002	Fleet Manager annual maintenance cost

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