IMPRES™ BATTERY FLEET MANAGEMENT

TURN BETTER DATA INTO BETTER DECISION-MAKING

MOTOROLA SOLUTIONS

INTUITIVE BATTERY MANAGEMENT
AT YOUR FINGERTIPS

A radio is only as good as the battery that powers it. When a battery fails, communication is lost, and every aspect of your organisation is impacted, whether it's serving customers or saving lives. At the same time, monitoring the individual statuses of a large fleet of batteries can be inefficient, time-consuming, and as a result, ineffective.

That's why we created our IMPRES Battery Fleet Management (BFM) technology. This solution mitigates efforts behind the complexity and costs related to battery and charger management, making it easier for you and your employees to work safely and efficiently.

Ensure optimal fleet performance with a new and easy to navigate user interface which enables you to manage and analyse capabilities with ease.

MAKE BETTER OPERATIONAL DECISIONS WITH THE RIGHT DATA

WHY IMPRES?

From the beginning, IMPRES batteries were designed as an integral part of our two-way radios for optimal performance. When the IMPRES Battery Fleet Management software collects critical data, it allows you to analyse key aspects of the battery, such as battery age, capacity, recondition history and manufacturing and service dates. Using this data, you can ensure optimal fleet performance by maximising battery lifetime and identifying potential issues before they occur. IMPRES technology also helps minimise energy costs with efficient charging.

HOW DOES IMPRES FLEET MANAGEMENT WORK?

Our IMPRES Battery Fleet Management software automatically collects critical data from IMPRES or IMPRES 2 batteries when they are inserted into an IMPRES 2 charger, and this information is then compiled into an accessible, user-friendly layout on your PC so you are able to efficiently understand your devices' data. The browser-based interface shows you overall battery health and lifespan, providing you with insights to determine when to remove a poor-performing battery, redeploy batteries and chargers among your team or purchase new batteries before performance becomes an issue.

IMPROVE PRODUCTIVITY AND SAFETY ACROSS TEAMS WITH BATTERY MANAGEMENT

Whether in the heat of a structure fire or at the centre of a construction site, there's no time to worry about battery life and readiness; radio users must have confidence in their batteries. Worry less with IMPRES Battery Fleet Management, which provides key information that allows radio users to manage batteries and mitigate risks.

IMPRES BATTERY FLEET MANAGEMENT, DELIVERING BATTERY-CRITICAL INFORMATION

- Intuitive user interface helps easily understand state of your battery fleet

- Avoids the expense of replacing batteries prematurely

- See trends in remaining capacity health prediction or date of first use

- Delivers prompt feedback on calibrations and replacements

- Ensures quick understanding of battery parameters and health status

- Organises data by radio model, part number or rated capacity

IMPRES BATTERY FLEET MANAGEMENT
IN THE CHARGER

BOOST EFFICIENCIES AND BRING DOWN COSTS

Are you replacing all batteries on a fixed schedule, whether you need to or not? Responding to worker complaints that batteries are losing their charge too quickly? Unsure if they're properly charged or reconditioned?

IMPRES Battery Fleet Management eliminates the guesswork, uncertainty and frustration of managing device batteries. Because this software automatically retrieves health and status data for every battery in your fleet, you can avoid the expense and waste that comes

with premature battery replacements. Automatic retrieval also ensures that batteries aren't used beyond their recommended life span, reducing work interruptions, downtime and operational inefficiencies.

With an intuitive and easy to use interface, the IMPRES Battery Fleet Management software allows you to save on battery and operational costs over time. It is designed to not only increase battery reliability and performance but to also improve worker productivity and safety.

Motorola Solutions products have strong sustainability benefits. The IMPRES technology prevents overcharging which reduces energy consumption and minimises costs. IMPRES batteries need to be charged less frequently than non-IMPRES alternatives, which also reduces energy consumption.
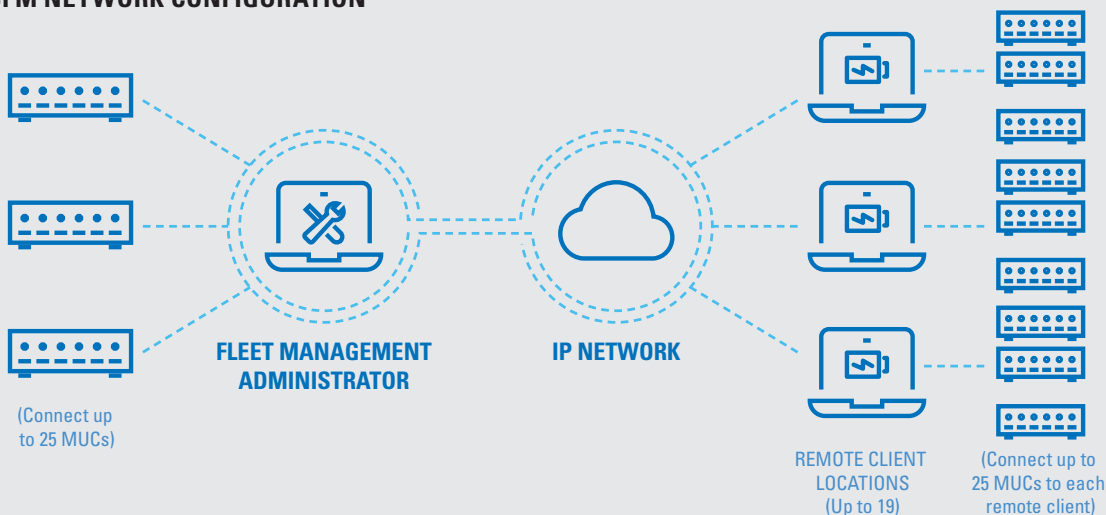
CHARGE YOUR DEVICE, COLLECT BATTERY DATA

Supports APX, MOTOTRBO and TETRA IMPRES 2 chargers.

SIMPLE BFM ON-PREMISES CONFIGURATION

USB

MULTI-UNIT CHARGER (MUC)
(Up to 25 chargers per PC)

FLEET MANAGEMENT
ADMINISTRATOR

BFM NETWORK CONFIGURATION

**FLEET MANAGEMENT
ADMINISTRATOR**

IP NETWORK

(Connect up
to 25 MUCs)

REMOTE CLIENT
LOCATIONS
(Up to 19)

(Connect up to
25 MUCs to each
remote client)

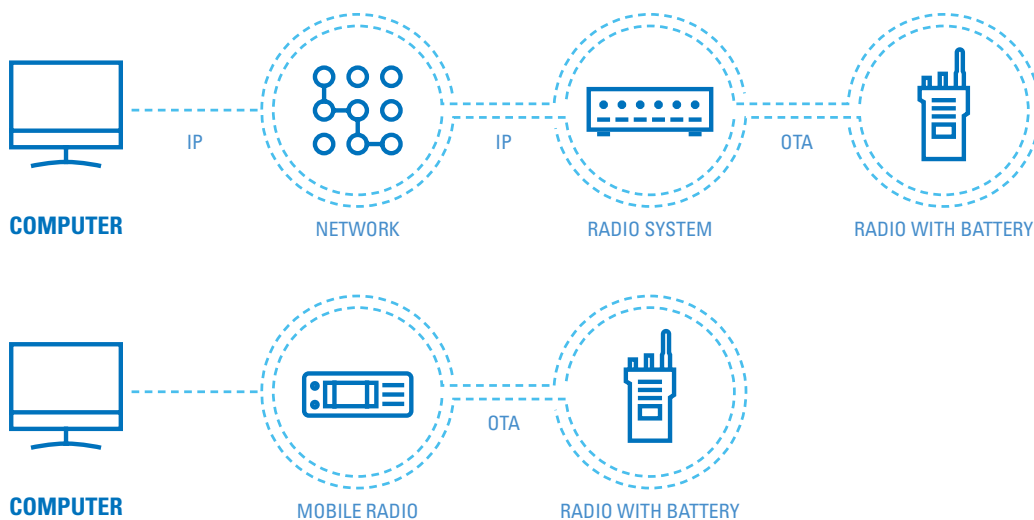# IMPRES BATTERY FLEET MANAGEMENT
OVER THE AIR

MONITOR BATTERY DATA AND HEALTH REMOTELY

Easily manage specific devices with Over the Air (OTA) IMPRES Battery Fleet Management. Compatible with MOTOTRBO and APX portable radios[1]. Using IMPRES batteries, this software combines the benefits of battery management with the ease of remote data collection.

When used with compatible devices, OTA IMPRES Battery Fleet Management automatically collects battery data whenever radios are in use. It eliminates the need for wired network connections or computers while simultaneously providing important battery information. This software capability enables real-time data uploads from any compatible radio in the field, and it incorporates radio-specific information for asset tracking.

With IMPRES Battery Fleet Management accessibility, you can now use OTA management even more seamlessly than before. Not only can you receive real-time battery data anywhere, but you can also receive it on any device. Battery data can now be viewed through a web-based interface on any browser connected to a client's secured network, including MAC, PC and tablets.

With MOTOTRBO radios, OTA management communicates with the radio system or a configured mobile radio station through the Motorola Network Interface Service (MNIS) to deliver real-time data.

COMPUTER — IP — NETWORK — IP — RADIO SYSTEM — OTA — RADIO WITH BATTERY

COMPUTER — MOBILE RADIO — OTA — RADIO WITH BATTERY

With APX radios, the IMPRES Battery Fleet Management application communicates with the radio system through an IP Data Gateway, the Intelligent Middleware (IMW) server, which then communicates via IP to the subscriber radios in the system.

COMPUTER — IP — NETWORK — IP — IMW SERVER — IP — RADIO SYSTEM — OTA — RADIO WITH BATTERY
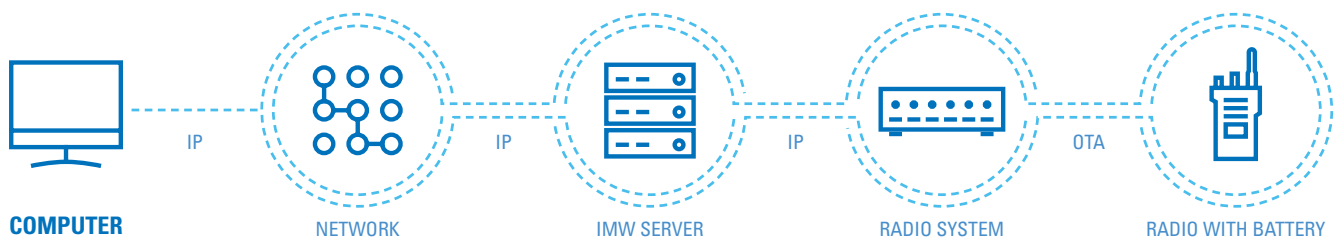
SIMPLE, SEAMLESS AND SCALABLE

IMPRES Battery Fleet Management consists of two major components: the application software and a software license key.

The IMPRES Battery Fleet Management application software is scalable from a single site to a multi-site networked system and can be networked to support up to 25,000 batteries in the same location or over geographically dispersed areas.

EACH SOFTWARE LICENSE SUPPORTS:

- Up to 20 PCs (1 System Administrator and 19 Remote Clients)
- 25 IMPRES Multi-Unit Chargers per client
- Able to track up to 25,000 IMPRES batteries
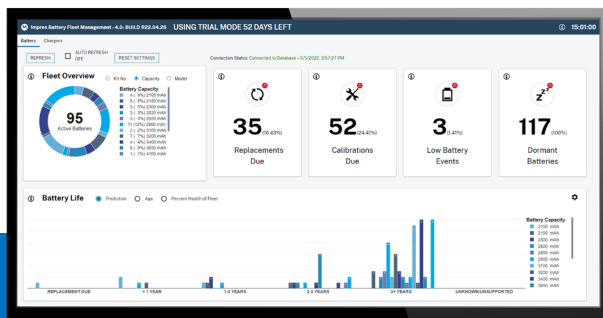
Fleet Overview

Active Battery Details

Charger Details

VIEW CURRENT REPORTS OR CREATE CUSTOM ONES

Use existing reports or customise new ones to see the most relevant information for your organisation. Data is stored in your database and can be exported to a Microsoft Excel file or printed. IMPRES Battery Fleet Management software records and organises a variety of data so you can:

- See a status snapshot of your entire battery fleet
- Evaluate whether batteries are meeting your performance criteria
- Determine when batteries are nearing their end-of-life
- Decide exactly when to buy new batteries

- Determine if a battery has not been reported to track misplaced batteries
- Optimise your charger utilisation
- Monitor all devices in the system
- Track batteries in storage and when they are in need of a recharge

For more information, please visit us on the web at: www.motorolasolutions.com

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