



IMPRES™ BATTERY FLEET MANAGEMENT

TURN BETTER DATA INTO BETTER DECISION-MAKING



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 organization 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 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 an updated user interface, meant to ease management and analytics capabilities.

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 analyze key aspects of the battery, such as battery age, capacity, recondition history and manufacturing and service dates. This information is then compiled into an accessible, user-friendly layout, so you are able to efficiently understand your devices' data.

HOW DOES IT 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, including battery age, capacity, charge and recondition history, the dates manufactured and put into service. Its 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 among your team or purchase a new one.

IMPROVE PRODUCTIVITY AND SAFETY ACROSS TEAMS WITH BATTERY MANAGEMENT

Whether in the heat of a structure fire or at the center 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 throwing batteries away prematurely
- Lets you 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
- Organizes data by battery type (radio model), kit number or rated capacity

IMPRES™ BATTERY FLEET MANAGEMENT IN THE CHARGER

BOOST EFFICIENCIES AND BRING DOWN COSTS

Are you replacing all batteries on a certain date, 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 behind owning and managing devices. Because this software automatically retrieves health and status data for every battery in your fleet, you can avoid the expense and waste that comes

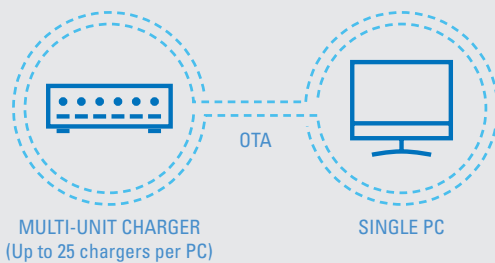
with premature battery replacements. Automatic retrieval also ensures that batteries aren't used beyond their recommended life span- reducing work interruptions, downtime and operation inefficiencies.

With a redesigned 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 and also reduces energy consumption and costs. IMPRES chargers with external power supplies consume 40 percent less energy in standby mode than required by the U.S. Energy Independence and Security Act of 2007.

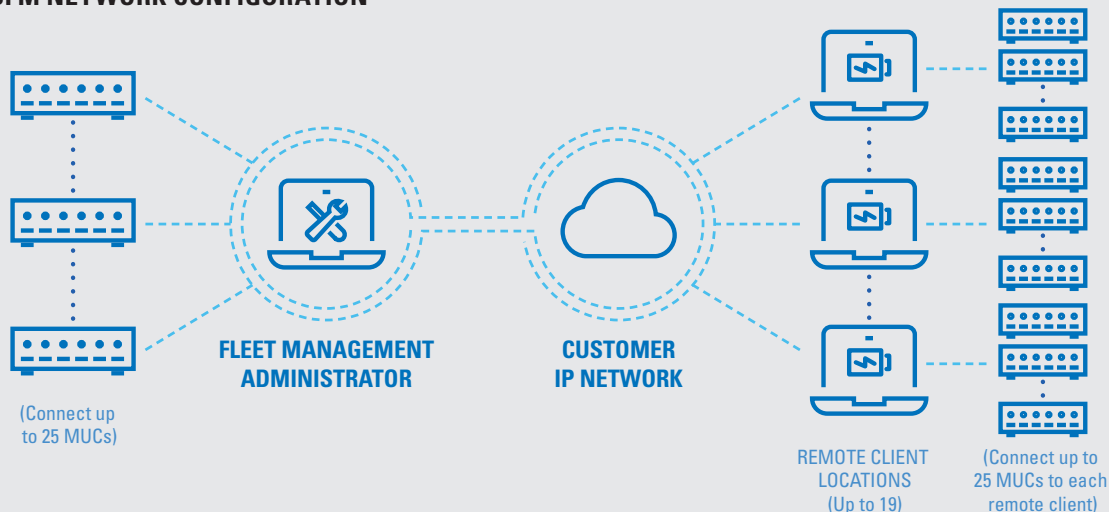
CHARGE YOUR DEVICE, COLLECT BATTERY DATA

SIMPLE BFM ON-PREMISE CONFIGURATION



Supports APX, MOTOTRBO and TETRA IMPRES 2 chargers.

BFM NETWORK CONFIGURATION



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 APX, MOTOTRBO R7, XPR 7000, XPR 3000, DP, DGP and XiR Series Radios. Using IMPRES batteries, this software combines the benefits of battery management with the ease of remote data collection.

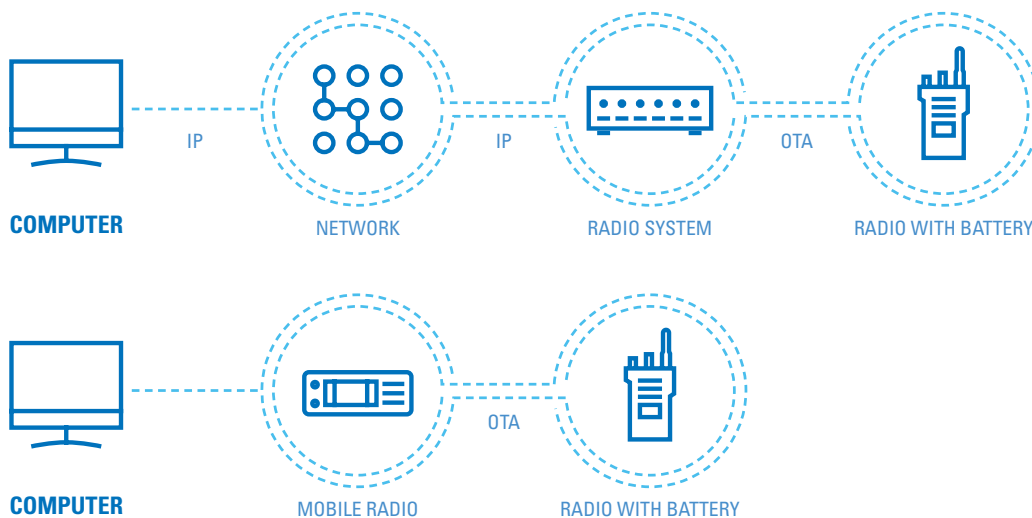
When used with compatible devices, OTA IMPRES Battery Fleet Management automatically collects battery data whenever radios are in use. It eliminates the need for wired network connections or

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.

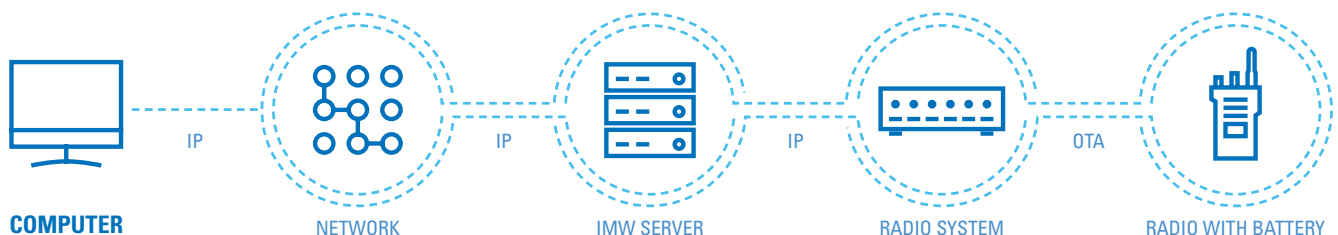
OTA IMPRES Battery Fleet Management is accessible with APX, MOTOTRBO R7, XPR 7000, XPR 3000, DP, DGP and XiR Series Radios that have the supporting radio software, IMPRES Battery Management and a software license key.

With improved 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.



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.



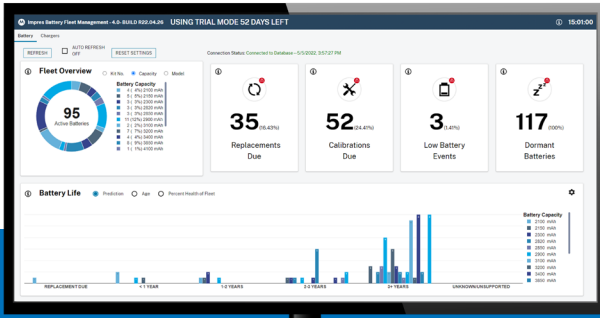
SIMPLE, SEAMLESS AND SCALABLE

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

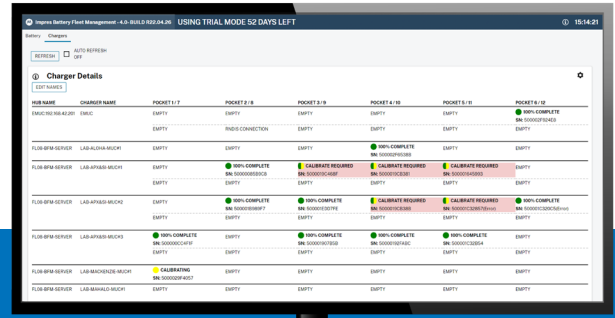
The IMPRES Battery Fleet Management application software is scalable from a single site to a multi-site networked system and can be networked to support in excess of 25,000 batteries in the same location or over geographically dispersed areas.

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 in excess of 25,000 IMPRES batteries



Fleet Overview



Active Battery Details

Battery ID	Status	Last Reading	Next Reading	Battery Status	Percent Charge	Capacity Remaining	In Charger
5000000000	REPLACE AGE	05/04/2022 08:05:19 PM	05/04/2022 08:05:19 PM	100%	100%	NO	
5000000001	REPLACE AGE	05/04/2022 08:05:02 PM	05/04/2022 08:05:02 PM	100%	100%	NO	
5000000002	REPLACE AGE	05/04/2022 04:07:27 PM	05/04/2022 04:07:27 PM	100%	100%	NO	
5000000003	REPLACE AGE	05/04/2022 08:05:19 PM	05/04/2022 08:05:19 PM	100%	100%	NO	
5000000004	REPLACE AGE	05/04/2022 03:05:29 PM	05/04/2022 03:05:29 PM	100%	100%	NO	
5000000005	REPLACE AGE	05/04/2022 04:04:56 PM	05/04/2022 04:04:56 PM	100%	100%	NO	
5000000006	REPLACE AGE	05/04/2022 03:07:32 PM	05/04/2022 03:07:32 PM	100%	100%	NO	
5000000007	REPLACE AGE	05/04/2022 08:05:02 PM	05/04/2022 08:05:02 PM	100%	100%	NO	
5000000008	REPLACE AGE	05/04/2022 04:05:05 PM	05/04/2022 04:05:05 PM	100%	100%	NO	
5000000009	REPLACE AGE	05/04/2022 04:05:05 PM	05/04/2022 04:05:05 PM	100%	100%	NO	
5000000010	REPLACE AGE	05/04/2022 03:05:10 PM	05/04/2022 03:05:10 PM	100%	100%	NO	
5000000011	REPLACE AGE	05/04/2022 04:08:04 PM	05/04/2022 04:08:04 PM	100%	100%	NO	
5000000012	REPLACE AGE	05/04/2022 04:07:29 PM	05/04/2022 04:07:29 PM	100%	100%	NO	
5000000013	REPLACE AGE	05/04/2022 03:05:05 PM	05/04/2022 03:05:05 PM	100%	100%	NO	
5000000014	REPLACE AGE	05/04/2022 04:07:37 PM	05/04/2022 04:07:37 PM	100%	100%	NO	
5000000015	REPLACE AGE	05/04/2022 04:07:37 PM	05/04/2022 04:07:37 PM	100%	100%	NO	

Charger Details

VIEW CURRENT REPORTS OR CREATE CUSTOM ONES

Use existing reports or customize new ones to see the most relevant information for your organization. Data is stored in your database and can be exported to a Microsoft Excel file or printed. IMPRES Battery Fleet Management software records and organizes 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
- Optimize your charger utilization
- 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/impresbatteryfleetmanagement



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