

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 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.

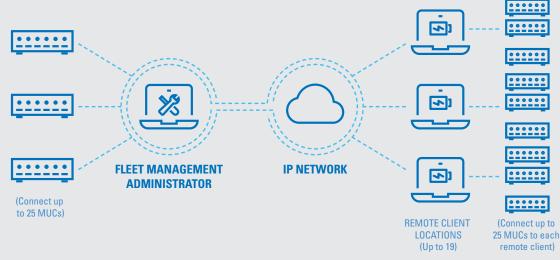
CHARGE YOUR DEVICE, COLLECT BATTERY DATA

Supports APX, MOTOTRBO and TETRA IMPRES 2 chargers.

SIMPLE BFM ON-PREMISES CONFIGURATION



BFM NETWORK CONFIGURATION

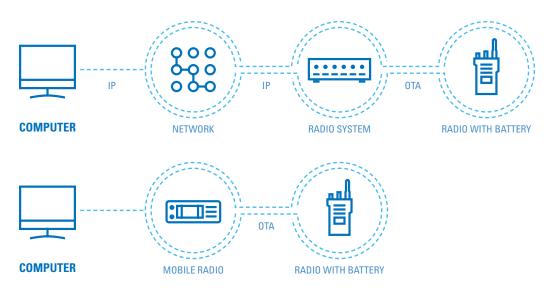


IMPRES BATTERY FLEET MANAGEMENT OVER THE AIR

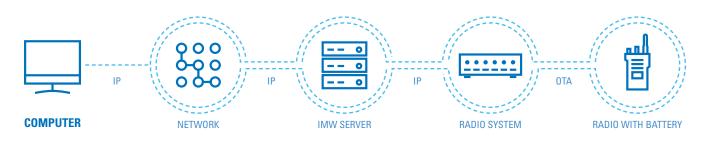
MONITOR BATTERY DATA AND HEALTH REMOTELY

Easily manage specific devices with Over the Air (OTA) IMPRES Battery Fleet Management. Compatible with MOTOTRBO and APX portable 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 realtime 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.



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 up to 25,000 batteries in the same location or over geographically dispersed areas.



Fleet Overview

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

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attery Chargers							
	UTO REFRESH						
Charger EDIT NAMES	Details						
HUB NAME	CHARGER NAME	POCKET1/7	POCKET2/8	POCKET 3/9	POCKET 4/10	POCKET 5 / II	POCKET 6/12
EMUC192368.42.201	EMUC	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	SNE SOCIO2F124E8
		EMPTY	RNDIS CONNECTION	EMPTY	EMPTY	EMPTY	EMPTY
FLOB-BFM-SERVER	LAB-ALOHA-MUCH	EMPTY	EMPTY	EMPTY	INCOMPLETE	EMPTY	EMPTY
FLOG-OFM-SERVER	LAB-APX85H8UCH1	EMPTY	100% COMPLETE SN: 5000085555C8	CALIBRATE REQUIRED	CALIERATE REQUIRED	CALIBRATE REQUIRED	DIPTY
		EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY
FLOB-BEM-SERVER	LAB-APX85I-MUCH2	EMPTY	HOUN COMPLETE SN: 5000010089F7	100% COMPLETE SN: 500001EDC07FE	CALIERATE REQUIRED	GALIERATE REQUIRED	KOON COMPLETE SR 500001C320C5/Drivel
		EMPTY	EMPTY	EMPTY CMPTY	EMPTY	EMPTY EMPTY	EMPTY EMPTY
FLOB-BEM-SERVER	LAB-APX85HIUC#3	100% COMPLETE	EMPTY	100% COMPLETE NN 500001007058	100% COMPLETE NV SCOOPEPEARC	100% COMPLETE MN 500001032854	DMPTY
		EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY
FLOB-BFM-SERVER	LAS-MACKENZE-MUCH	CALIBRATING SN: 5000029F4057	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY
FLOB-BFM-SERVER	LAS-MAHALO-MUCH	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY

Active Battery Details

Active Battery Details										٥		
MORE INFO	Serial Number	Radio ID	Radio Allas	Bottery Group	Kit Number	Battery Last Reading	Radio Last Registration	Battery Status	Percent Charge	Capacity Remaining Years to ECL	In Charger	
View	5000030369696	10009101	APX_JuheP1	John_Group	NN/7N/7034A	05/04/2022, 06:05:13 PM	05/05/2022, 03/12/32 PM	C 🛪 🗅	100%	REPLACE AGE	NO	
Veu	500000438410 •				NN7N7037A	05/04/2022, 06:58:02 PM		0 × 0	100%	REP HEALTH + AGE	JOHN-MUCHT-APX Pocket 5	
Veu	500000438048*				NN7N7038A	05/05/2022, 04:07:27 PM		0 * 0	100%	• 2-3 YEARS	JOHN-MUCK2-APX Pocket 3	П
Veu	500000502198 •	10061441	APX_iames1		NN/16/037A	05/04/2022, 06:05:11 PM	05/04/2022, 06/12:26 PM	0 × 0	100%	REPLACE AGE	ND	
Veu	500000552C88*				NN/16/2027A	04/25/2022, 03:09/21 PM		đ≭⊡	100%	REPLACE AGE	NO	
View	5000005F8587				NN/16/0334.	05/05/2022.04.07.27 PM		đ×□	100%	REPLACE AGE	JOHN-MUC-APH-j2 Pocket 3	
Veu	500000799EFE				NN/75/2028A	05/05/2022, 04:04:56 PM		đ×□	100%	REPLACE AGE	JOHN-MUC-APX-0 Pocket 6	
Veu	5000007E1482				NN75/2034A	05/04/2022, 03:57:22 PM		C1 ¥ Ω	100%	REPLACE AGE	NO	
Vex	50000000FDBA	10009100	APX_JohnP0	James_Group	NNTNE092A*	05/04/2022, 06:05:12 PM	05/04/2022, 06:09:51 PM	đ×⊡	100%	REPLACE AGE	ND	
Veu	500008589C8				NN/IN/038A	05/05/2022, 04:08:05 PM		0 × 0	100%	REPLACE AGE	LAB-APX&SI-MUCH Pocket 2	
View	50000088A4EB	10061440	APX_lames0	John_Group	NNTNE092A*	05/04/2022, 06:05:10 PM	05/04/2022, 08:49:26 PM	đ×⊡	100%	REPLACE AGE	ND	
Veu	5000008A44F8				NN/16/038A	04/20/2022, 03:48:41 PM		C† ¥ □	100%	REPLACE AGE	NO	
View	500000CBEE15			Serge_Group	NN/IN/2008A	04/20/2022, 03:36:30 PM		ď×□	100%	REPLACE AGE	ND	
Veu	500000CC4F1F				NN/16/2037A	05/05/2022, 04:08:04 PM		d×□	100%	REPLACE AGE	LAB-APXESI-MUC#2 Pocket 1	
View	50000004696			John_Group	PMINN4403A	05/05/2022, 04:07:29 PM		0 * 0	100%	-1YEAR	JOHN MUC-APIL(2 Pocket 4	
Veu	500000000048	10037540	APX_JasonA0		NN/N/228A	0414/2022 02:55:00 PM	04/14/2022 03:00:57 PM	đ≭⊡	-82%	REPLACE AGE	NO	
Vew	500000052802				PMININ4403A	05/05/2022, 04:07:27 PM		ď×⊡	100%	REPLACE AGE	JOHN-MUCHT-APX Pocket 1	



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

Supported devices: TETRA MTP8000Ex series, Astro APX series, MOTOTRBO ION, R7, R7a, DP4000Ex, DP4000e series, DP2000e series and legacy Professional series and legacy DP3000, Lex 11.

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