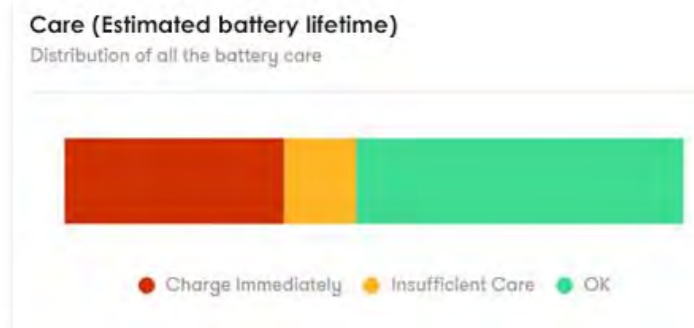
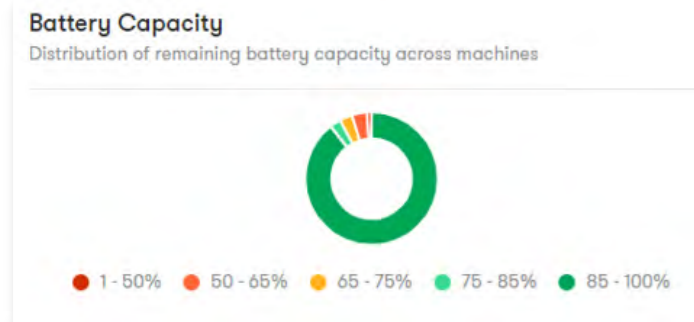


# ELEVATE BMS

BATTERY MANAGEMENT

ELEVATE BMS (Battery Management System) targets the largest cost of ownership on electric scissiors.

ELEVATE BMS provides the operator with charging advice, and the rental company the ability to manage the cost of battery replacement using accurate and immediate data.\*



## DID YOU KNOW?

A recent data science study<sup>†</sup> showed that:

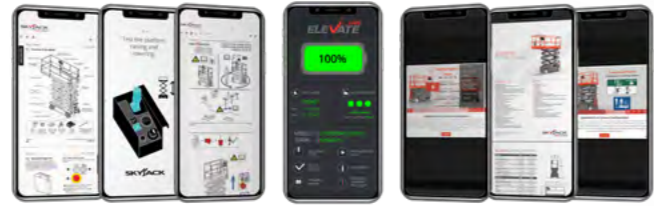
- 75% of battery charges are less than 2.75 hours.
- Batteries only receive ONE full charge a month.



\* Only available with ELEVATE telematics and not as a stand alone option.

<sup>†</sup> Skyjack BMS whitepaper: Learning from the data: The impact of battery management trends, May, 2020

# ELEVATE LIVE



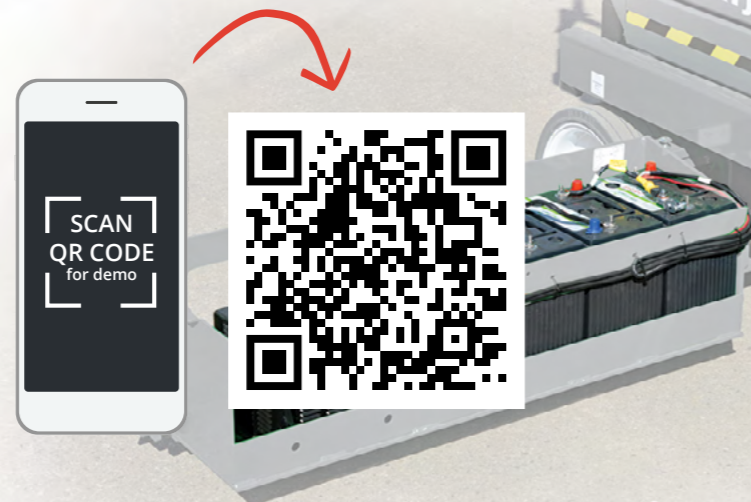
ELEVATE Live provides operators access to the machine's current state of health and serial-specific resources through a simple QR code.

**Electric Machines (with BMS):** State of health, simple percentage of battery life, last charge date, and recommended charging action.

**Combustion Machines:** Engine faults, daily hours, and fuel used.

In addition to live machine data, operators also have access to:

- Operator manuals
- Familiarization videos: brief visual overviews of the machine
- Serialized machine information, including parts manuals and specification sheets
- Emergency lowering procedures
- Pre-use checklist: visual guides for pre-use inspection
- Quickstart guide



NA/ENG/12/2020

# ELEVATE

PACKAGE FEATURES	DIRECT	ENGAGE	ENGAGE +ACCESS
ELEVATE Manager		•	•
ELEVATE GO		•	•
ELEVATE Live	•	•	•
ELEVATE BMS (Battery Management System)	•	•	•
Ready to Operate indicator	•	•	•
True Utilization analysis	•	•	•
API Access for direct data feed*	•	•	•
Mixed fleet capability	•	•	•
Remote lockout			•
Access Control with RFID/PIN code			•
Real-time SMS or Email alerts/notifications		•	•
Service/hours notifications		•	•
Automatically generate historical reports		•	•
Trackunit RAW 600 hardware	•	•	•
Dual ID keypad IP 69 Rated			•
Transmits data every 15 minutes	•		
Transmits data on activity, or every 2 minutes		•	•
Field Kit available	•	•	•
36-month package	•	•	•
60-month package	•	•	•
Renewal packages available	•	•	•

\*ERP pairing/API Access may require additional programming resources and advanced knowledge of database management - not included with ELEVATE packages.

[skyjack.com/elevate](https://skyjack.com/elevate)



Powered by  
**Trackunit**

# ELEVATE

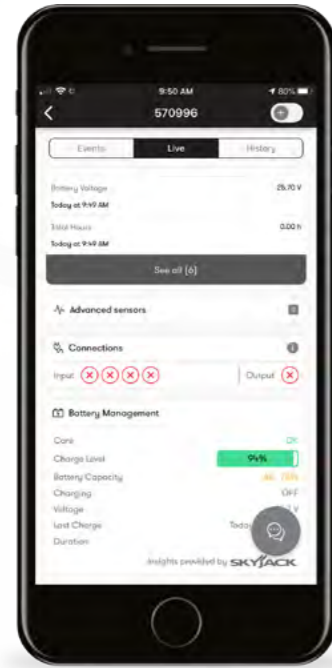
Actionable Insights.  
Measurable Benefits.

More than Telematics.

**SKYJACK**  
simply reliable

# DESIGNED FOR RENTAL

Skyjack became an industry leader by providing machine features that combine durability, quality and serviceability, making our products world renowned for reliability. That approach is carried over to Skyjack's ELEVATE telematics – a solution for your entire fleet that follows Skyjack's simple and reliable philosophy.



## WHY TELEMATICS ?

Telematics systems provide three core benefits:

- Improved profitability
- Improved safety
- Fleet visibility & utilization

## WHY ELEVATE?

Traditional telematics systems have been taken from on-road products which has created barriers to adoption for off road fleets. Barriers such as monitoring too many and not the right data points, excessive data costs, monthly license fees, and more.

Combining customer feedback and the expertise of our Skyjack engineering team, we have identified and optimized the most important data for our machines.

## REDUCE TRIPS TO SITE

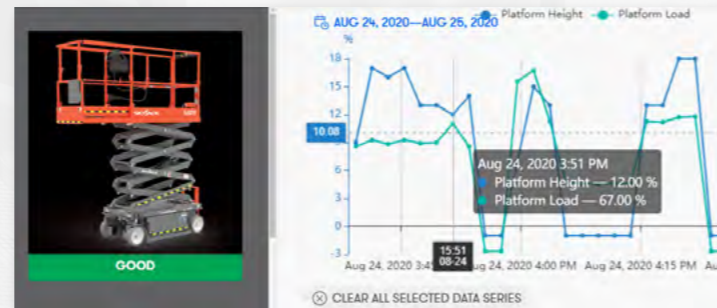
Skyjack's unique **READY TO OPERATE** available on DC Scissors and Vertical Masts. Shorten phone calls, reduce visits to site and reduce cost by remotely identifying operator error.

Indicates machine settings:



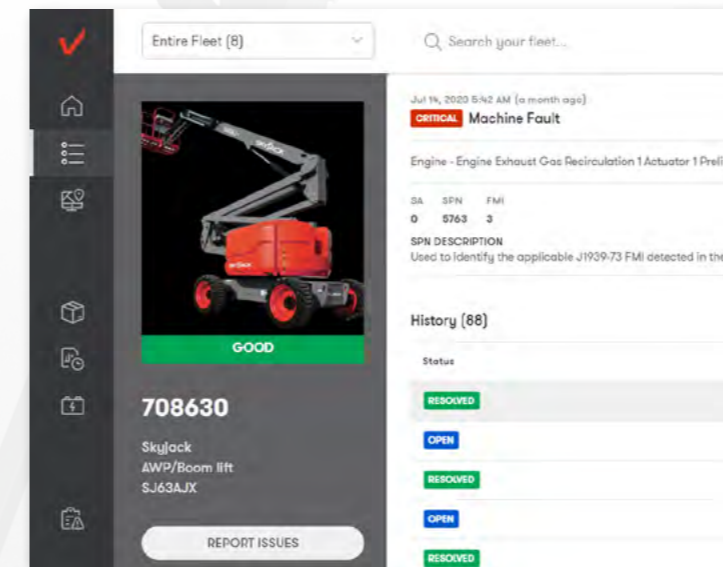
## INCREASE REVENUE

**TRUE UTILIZATION** allows analysis of time elevated, driving, loaded and total run time provides true working time. Unlike other systems that simply look at engine run/pump time true utilization tells you when your machine was at work, and when it was not.



## STOP SERVICE CALLS BEFORE THEY START

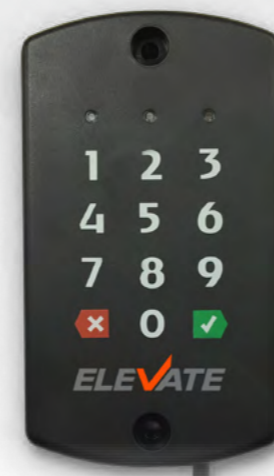
**CAN DATA AND ALERTS** allows you to understand the machine history without needing to be at the machine with specialized tools/software. Providing full fault code access to your service staff at their fingertips means making better decisions for the machine and the customer, better analysis, and reduced cost.



## SAVE TIME AND MONEY

**DATA-DRIVEN PDI** allows referencing of live data and machine history to decrease time and increase precision of PDI checks. Reducing machine replacement/repair on site means higher profitability per asset.

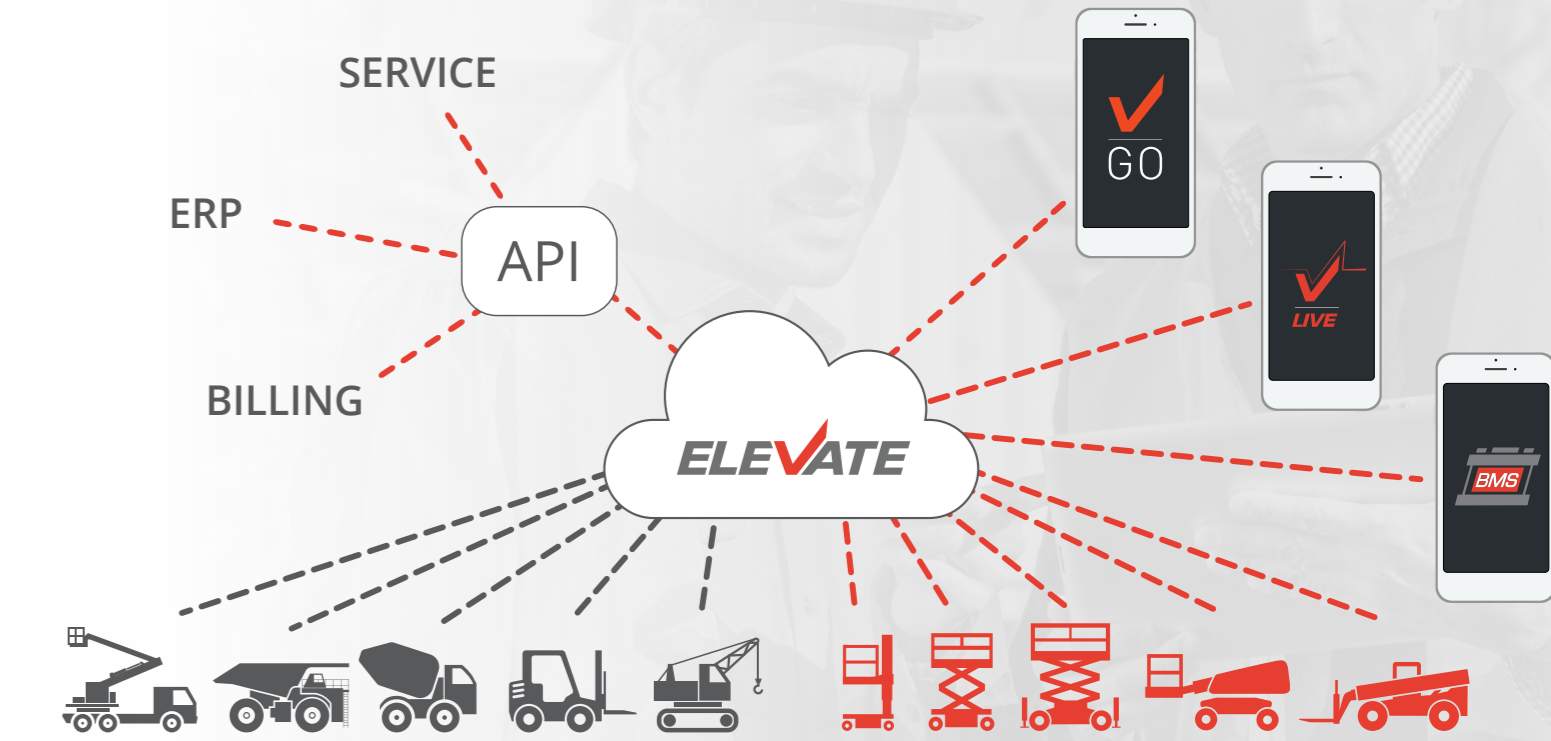
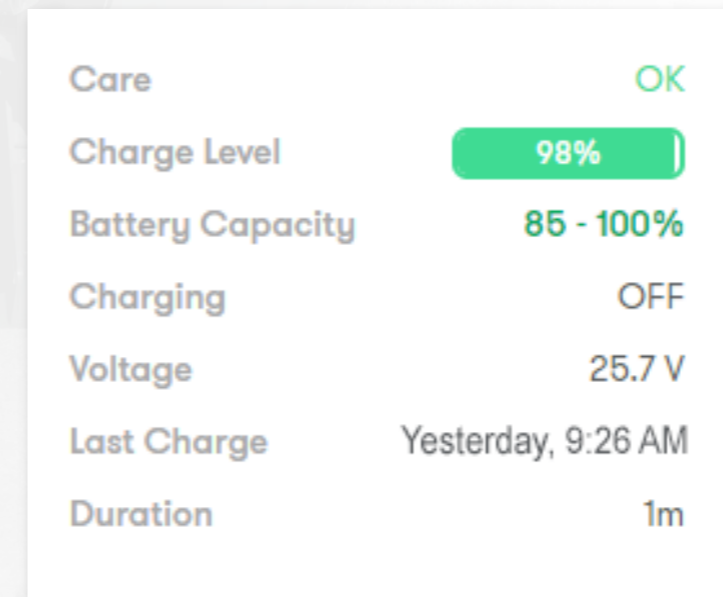
Send a machine that you know is ready, and improve customer satisfaction.



## PROTECT YOUR ASSETS

**ACCESS CONTROL** reduces unauthorized use and provides a safer work site by adding access control to your fleet.

The Dual ID II keypad uses PIN code, or an RFID card to control who operates your machines.

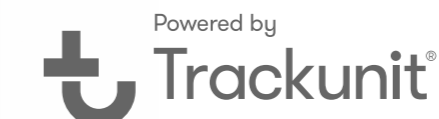
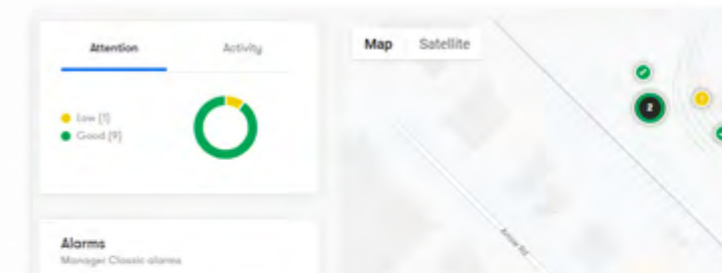


## EMPLOY TELEMATICS TO MIXED FLEETS

ELEVATE is powered by Trackunit, the accepted standard of hardware and platform for off-road and construction fleets. Log into a single portal to see your Skyjack machines at the same time as the rest of your fleet. Run reports and see insights for your entire fleet while benefitting from Skyjack-provided insights and alerts engineered for your Skyjack machines.

## RENTAL SOFTWARE INTEGRATION

All ELEVATE packages come with access to API connectivity allowing you to feed your rental software/ERP system with live data direct from the machine.

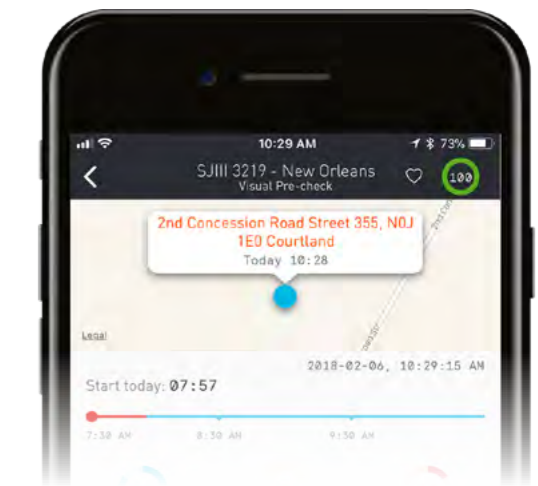


## TOOLS FOR EVERY ROLE IN RENTAL

**ELEVATE GO** offer mobile roles, such as service and logistics personnel, access to full features and data on the machines closest to them.

**ELEVATE Manager** provides fleet management and rental desk staff with the ability to run a fleet-wide analysis.

**ELEVATE Live** allows operators and rental yard staff instant access to a machine health snapshot.



Insights provided by **SKYJACK**

## ELEVATE TELEMATICS DELIVERS ROI

REDUCE SERVICE COSTS	<ul style="list-style-type: none"> <li>Less time on the phone</li> <li>Less time on site</li> <li>Improved service planning</li> </ul>
STREAMLINE MAINTENANCE	<ul style="list-style-type: none"> <li>Accurate and up to date run hours without manual entry</li> <li>Reduce trips to site</li> <li>Ensure proper service schedule</li> <li>Eliminate unnecessary labor cost</li> </ul>
FASTER, MORE ACCURATE PDI	<ul style="list-style-type: none"> <li>Quick access to machine health status</li> <li>Decrease PDI labor cost</li> <li>Decrease customer repeat delivery costs</li> </ul>
INCREASE UTILIZATION AND REVENUE	<ul style="list-style-type: none"> <li>Know when machines are truly working</li> <li>Maximize fleet utilization - identify idle machines</li> <li>Monitor usage outside of contract - manage billing accordingly</li> </ul>
REDUCE LOGISTICS COSTS	<ul style="list-style-type: none"> <li>Find machines faster</li> <li>Speed up site visits</li> <li>Increase service and delivery efficiency</li> </ul>
REDUCE BATTERY COSTS	<ul style="list-style-type: none"> <li>ELEVATE BMS maximizes the life of your batteries</li> <li>Cut the largest cost of electric ownership in half</li> </ul>
REDUCE INSTALLATION COSTS	<ul style="list-style-type: none"> <li>Factory install means no costly field installs</li> </ul>
REDUCE THEFT AND UNAUTHORIZED USE	<ul style="list-style-type: none"> <li>Reduce cost of theft and asset damage due to unauthorized use</li> </ul>



## DATA OWNERSHIP / CUSTOMER CHOICE

Digital products and data privacy/ownership practices continue to grow as a focus for our customers. Our digital products are sold to help generate the best possible ROI for our customers. Unlike some systems, Skyjack's ELEVATE allows our customers to choose their service, and who and how that service/data is accessed.