

Use of battery-operated machinery

Diesel power units are widely used to drive electric machines and are standard on construction sites. The disadvantages of combustion engines with high exhaust emission and noise exposure are obvious. Problems also arise due to increasingly restrictive emission requirements. With battery systems from innoelectric, manufacturers can re-align their machines' drive and thus become fit for the future.

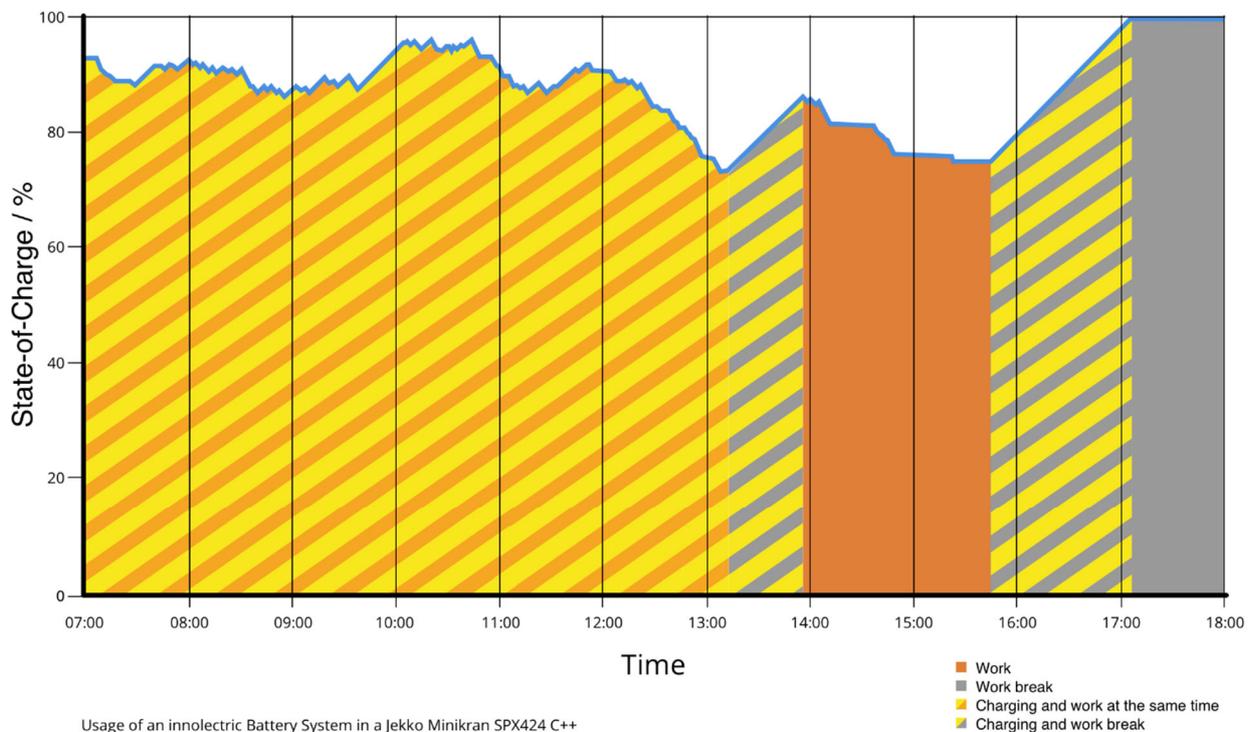
innoelectric develops solutions for the electrification of machinery of higher performance classes, where purely electrical operation seemed inconceivable up to now. Here innoelectric combines the know-how of Liftservice Krome, who has been carrying out machine conversions and servicing for many years, with the expertise in the field of battery and drive technology to generate the best possible solutions.

In the following an exemplary working day with an electrified machinery and lithium-ion batteries by innoelectric. The innoelectric Battery System IN24/288LFP was installed in a Jekko Minicrane SPX 424 C++ instead of lead acid batteries.

Work with lithium-ion battery systems instead of diesel engine

Operating profile of the Minicrane

- 07:00 - 13:15 hours In use, simultaneous charging of the batteries
- 13:15 - 14:00 hours Lunch break and charging, the state-of-charge of the batteries increases
- 14:00 - 15:45 hours In use
- 15:45 - 17:00 hours Full charging of the batteries for the following day



Conclusion

The example shows that a minicrane equipped with lithium-ion battery systems from innoelectric can replace the diesel power unit without any performance impacts.

For further information about innoelectric Battery Systems and conversion options please visit our website www.innoelectric.ag.

Do you have questions about our products and services or do you need a specific offer?
Contact us by e-mail at sales@innoelectric.ag. We will be pleased to assist you.