

## **Periodā 01.09.2022. - 30.09.2022.**

Šajā periodā tika strādāts pie jaunā vāka dizaina, lai tajā būtu pietiekami daudz vietas un tas atbilstu jaunizveidotajai mehānikai un elektronikai. Tika izgatavots sākotnējais koncepts un, pēc veiktajām pārbaudēm, uzsākta vāku ražošana.

Tika uzsākta integrācija un kvalitātes pārbaude LiFePo<sub>4</sub>, kas īpaši izstrādāts, lai nodrošinātu minimālu 6 stundu autonomiju.

Trešais zinātniskais raksts tika publicēts Q1 žurnālā

- "A comparative analysis of metaheuristic algorithms for solving the inverse kinematics of robot manipulator" tika publicēts žurnālā "Results in Engineering"

<https://www.sciencedirect.com/science/article/pii/S2590123022002675>

Kā arī, tika turpināts darbs pie divu papildu zinātnisko darbu recenzentu komentāriem.

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During this period advances were made regarding the design of the new lid to have the necessary space to fit in the new mechanics and electronics. An initial proof of concept was manufactured and after checking for interferences a final design was agreed to be manufactured.

The LiFePo<sub>4</sub> especially designed to ensure a minimum autonomy of 6 hours, arrived and integration and quality test started.

A third scientific paper was published in a Q1 journal

- "A comparative analysis of metaheuristic algorithms for solving the inverse kinematics of robot manipulator" was published in the journal "Results in Engineering"

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Work was continued on attending the comments from reviewers of two additional scientific papers.