

Customer Case Study



HOSTED MENDER

Key Benefits

1. Rapid time to production with a Hosted OTA software updater
2. No setup or maintenance of the Mender management server
3. Auto-scaling as your device fleet grows

Why Mender?

1. The safest option: secure and robust OTA mechanism
2. Fully open source on-premise version assures no vendor lock-in
3. Intuitive and easy-to-use

Company Biography

DYNAsystem (<https://www.dynasystem.es>) is a new concept in health, rehabilitation, and professional sports technology. DYNAsystem evaluates and develops human strength efficiently, ergonomically, and safely. Developed by Synergy Movement Technologies (SYMOTEC), DYNAsystem is an easy-to-use tool that creates and controls any rehabilitation or sports training program.

DYNAsystem's devices are used at physical therapy clinics and gives them a powerful technological tool for treating patients, intelligently improving their health and performance.

Challenge

DYNAsystem's revolutionary approach to conditioning and rehabilitation includes an embedded application which allows the user to interact with the station. SYMOTEC needed a way to deliver their DYNAsystem devices worldwide while still maintaining a close connection to their customers. It was very important to listen to their customers and address any issues by remotely updating DYNAsystem devices.

When it came to evaluating an OTA update mechanism, SYMOTEC's chief concern was security. "Our most important requirement can be summed up in security," said Adrián Morente Gabaldón, SYMOTEC's web and embedded systems developer. Customers are their top priority and while updating DYNAsystem devices remotely were a requirement, they also understood the risks that can come with it, such as security compromises or even



rendering devices unusable if an update was interrupted due to power loss or poor network connectivity.

Solution

SYMOTEC evaluated multiple options and chose Hosted Mender as it was the safest option for OTA updates. The robust capabilities such as built-in rollback support was critical, as well as security features such as code signing of update artifacts and secure communications between the client and server.

"Hosted Mender is safer, more stable, and less expensive than having a person in the company setup the management server themselves," said Gabaldón.

"We found that Kubernetes is the best choice for enabling the required scalability and redundancy of the Mender server. However, Kubernetes is very time-consuming to setup and maintain for production environments. Hosted Mender takes care of that for us."

- **Adrián Morente Gabaldón**
Web and Embedded Developer at SYMOTEC

Benefit

Hosted Mender provides a quick and easy path to production-grade OTA updates for DYNAsystem devices.

"Now that we're able to deploy OTA updates with Hosted Mender, this allows us to focus on product development and better serve our customers with more modern applications day by day. We can instantly deploy them to our customers with confidence," said Gabaldón. "Having the ability to improve our devices on-demand makes our customers happier and our road to success much easier."

