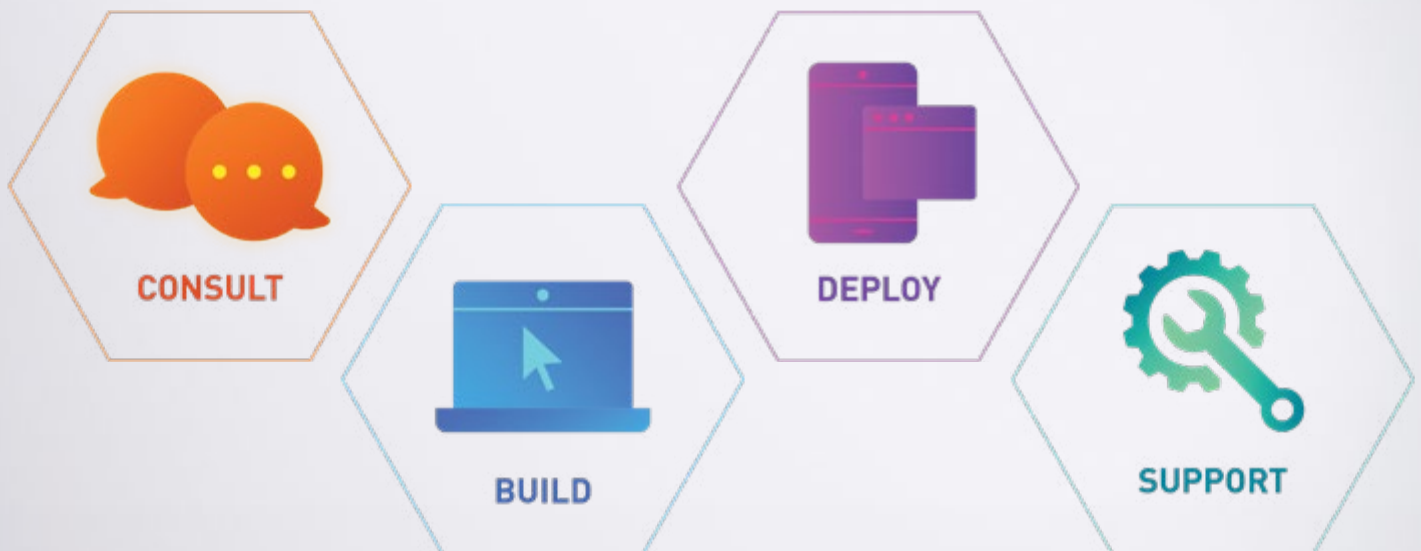


# TOUGHBOOK Omnia

## CASE STUDY



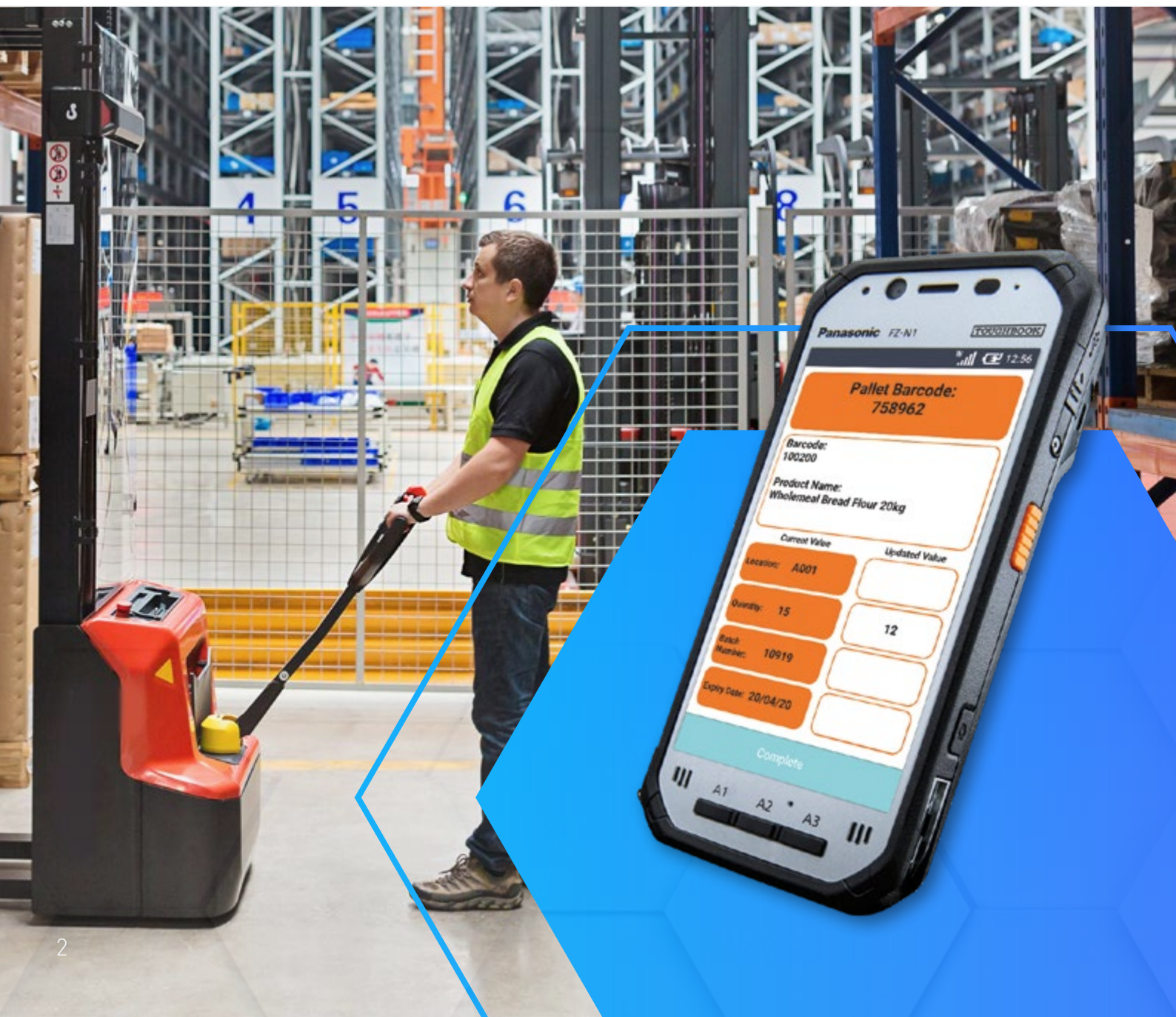
# How a custom business application is set to transform warehouse efficiency

## CASE STUDY

### LEIPURIN®

**Leipurin is a wholesaler of raw materials for baking, product development and baking machinery. They have a number of warehouse locations which require routine inventory monitoring. This task had historically been performed manually via paper-based processes that were prone to human error.**

Now Leipurin have chosen Panasonic to develop and deploy a custom business application through the MCL platform as part of their TOUGHBOOK Omnia agile software approach. The new application will easily integrate with existing hardware and the organisation's existing back-end Enterprise Resource Planning (ERP) system. It is expected to significantly increase efficiency by speeding up the pallet checking process and improving accuracy, traceability, and the real-time visibility of inventory.





## Pre-transformation: manual and paper-based processes

Leipurin is a unique provider of solutions for bakery and confectionary products, with a customer base that spans retailers and baking businesses. As wholesalers of raw materials for baking, product development and baking machinery, Leipurin have a number of warehouse locations in which routine inventory monitoring is required.

Until now, the inventory monitoring process has been paper-based and consists of employees reading individual pallet barcodes separately to verify the pallet content (including

product name, product barcode, expiry data and quantity). Employees would note any discrepancies and update the ERP system manually.

With multiple products per warehouse location and hundreds of locations in each warehouse, the manual monitoring process has often left employees navigating through multiple pages to complete a single location. This paper-based and time-intensive process is inevitably prone to human error and inefficiency.



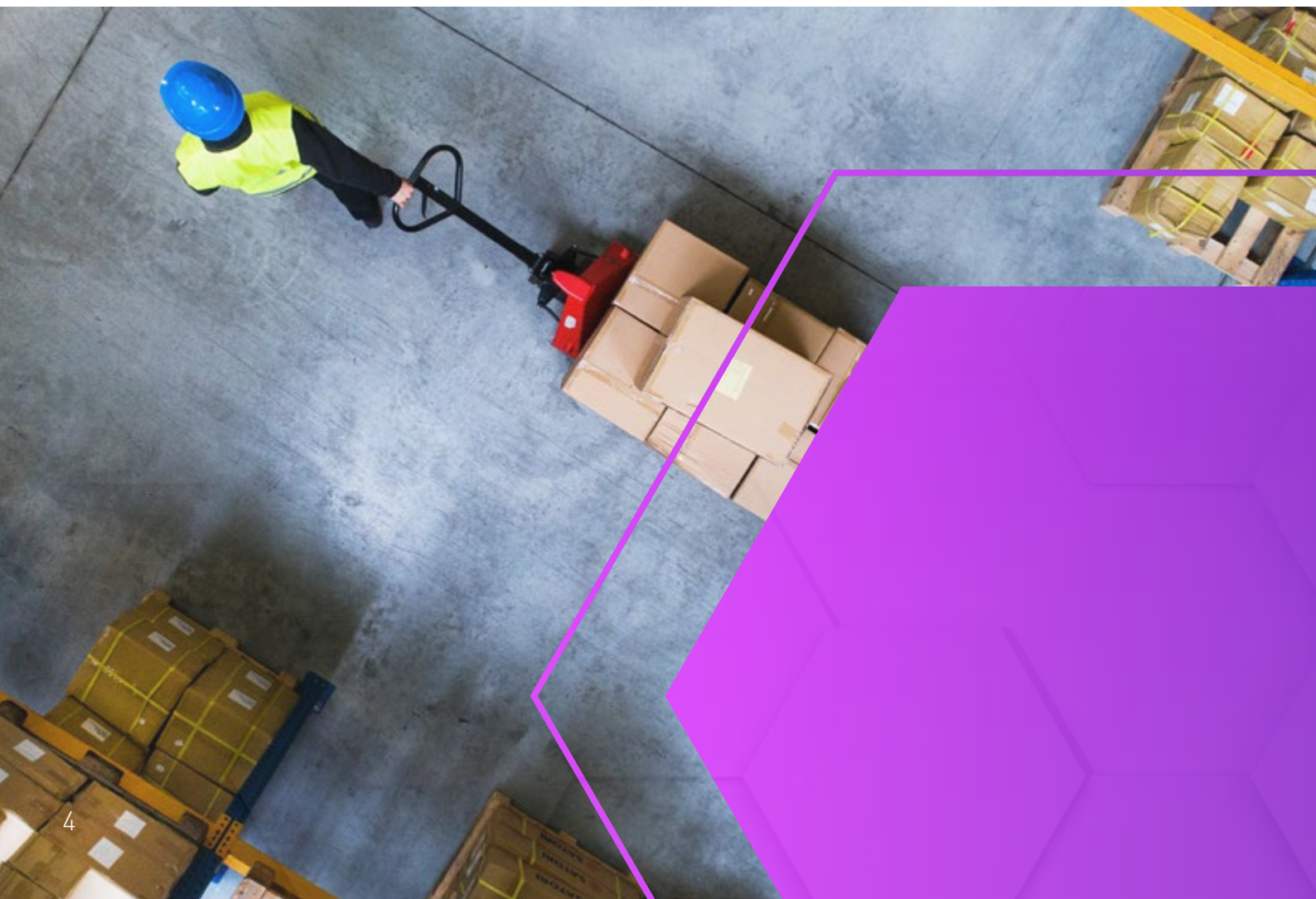
### The solution: TOUGHBOOK Omnia, powered by MCL

Leipurin recently decided the best way to streamline the inventory monitoring process and reduce human error was with a custom business application that will integrate into Infor M3, their existing back-end ERP system. They turned to TOUGHBOOK Omnia, the software solution approach from Panasonic that is powered by the MCL platform.

The MCL platform has been chosen for several reasons, firstly, its ability to deliver applications rapidly and easily integrate with the workforce's hardware I/O (including barcode readers). Eventually, the app will seamlessly integrate with Leipurin's ERP system using MCLs built-in support for back-end systems.

Another key requirement was the ability to translate the application into Finnish, as the organisation's warehousing is based in Finland. Translation of the application into multiple languages is effortless using MCL.

The primary targeted device for the app is the TOUGHBOOK T1 handheld, but the beauty of the MCL-based development means the same app can be deployed to other devices, form factors and OS without requiring any changes.





## Implementing the new app

The Panasonic Omnia team have been responsible for the development, deployment and UI of the new application. Kauko, the exclusive official TOUGHBOOK distributor in Finland, have been responsible for providing high level requirement gathering, customer contact and field testing.

Implementation began in September 2019. Adopting Omnia's agile software development approach, the development of a working prototype took less than 3 weeks, which included a number of change requests and additional features. The capabilities of the MCL Platform also ensure that any upcoming feature changes to the app will be delivered quickly to the entire workforce. This will effectively future-proof mobile business operations for the organisation.



## A More Efficient Future

The new application is expected to deliver a range of real business benefits to Leipurin. For example, the time taken to process a warehouse location can be reduced by an estimated two-thirds, dropping the time from approximately 30 minutes to 10 minutes; Instead of entering discrepancy data into the ERP manually, which can take several hours, the application creates a file of discrepancies and now takes minutes to update. Additionally, data is shared between mobile devices and the office seamlessly using MCL's built-in asynchronous file transfer module. This runs in the background and ensures the application runs smoothly even if the device temporarily loses network connectivity.

Leipurin predicts that the new application will increase efficiency in a number of ways. The app is expected to speed up the pallet checking process, improve accuracy and traceability, and reduce the number of steps in the inventory-monitoring workflow. By removing the need for manual reading of barcodes and eliminating paper use, Leipurin is confident that the app will improve the real-time visibility of inventory and deliver a seamlessly paperless operation that is better for the environment.

All of these benefits will come through an application that carries company brand logos and colour schemes, cementing its status as a specialised and bespoke solution for Leipurin's workforce.





## Are you ready to experience the increased efficiency you get with true agile mobility?

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