

Hörmann Opens the Door to Innovative Business Technology

- Case Study Highlights

 Company: Hörman

 Industry: Manufacturing & Distributing

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 Business Chillegre, Aging development pool, dated RPG
 applications, green screen US

 Solutions: Modern charge management system, team trail
 Web GUI, Node jo integration, DOS to SQL conversion

Jürgen Finger, head of the central IT department at Hörmann, noticed a "generational change" in technology happening and his company's long-standing, core applications weren't keeping up. Finge realized he needed to supplement his existing RPG programs with modern languages like javaScript and Node, is. In the autumn of 2017, he and his development staff met with Profound Logis German partners Task Force IT to figure out how to do exactly that

The Need for Modern Development Tools

At Hörmann KG Werne, an application package that has been tried and tested for many years is in use on IBM i, which is maintained at i core by the company's own developers under RPG. A total of three developers and the head of DV/ORG are in the central IT department.

Mr. Jürgen Finger, head of the department, joined Task Force (T-Consulting GmbH in Dortmund in Autumn 2017 to find out about mode development tools. The focus was clearly on the topic of generational change, which should be solved by new technologies. At the same time, they wanted to find a way to supplement existing RPG programs with modern programming languages such as JavaScript.

After the first live presentations from Task Force, it quickly became clear which direction the new strategy could take at Hörmann. Task Force, the Profound Logic partner in the German-speaking market, put together a development package to help both the older RPG developers with their diday work and to enable the integration of new modern development environments.

Since Task Force has a lot of know-how for such problem situations, which have already proven themselves very well with other cu in the past, the solution had to be clearly defined and implemented quickly.

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Introducing CMOne, Profound UI, and Profound.js

The first step to modernize Hörmann's development environment was the into the flagship product of Task Force-IT. After installation, Hörmann's existing app the CMOne integration report, existing problem situations in the current envir

The training of the designees was considered directly on the client system at Hörmann, so that the colleagues immediately found themselves in a familiar environment with CMOne. Directly after the training, the development was carried out exclusively with CMOne, which rearsd the microproceptions that IBM issue and and unabherona. All developers settled in very quickly to the new development environment under RDI and the advantages of working with CMOne were very well received. After just a five day, Hormann realized that a great deal of time half been seared in their day work, which can now be used for the actual development.



Initially, the ability to create Rich Displays using the Profound UI Profound Visual Designer was on hold due to Hörmann's quest to young personnel who were fluent in javaScript, not RPG code. Their search wasn't that difficult, as over 11 million developers work currently use javaScript!

Fortunately, Profound Logic offers tools for Node is development: Profound is. These enable business developers to qui deploy full stack, transactional, database driven applications using Node is.

A new colleague with a background in JavaScript and Node is was soon found and joined the experienced RPG team.

Integration of New Technologies

With the introduction of the new technologies, the entire development team in Werne has stopped working with the traditional PDM too and has been using the Edipse-hased development environment BDI ever since. This enabled the team to use more elegant and forward-looking tools for their projects, including playing such as Open Sorrout bead Edipser. BDI obtoblook and Ragdiffer Prevente Dass Quickly. While BDI is the central focus of development, CMOne, Profound UI, and Profound, are assimilessly integrated. These solutions enable the Microman team to conver old DDI files to medienn SQL tables and and confirm fine-format BPG Code in nome medien fine-format BPG. Additionally, Profound Logic converts traditional display filed into Rich Display Files which are supported in web browser-based GUIs.

One big advantage of Profound UI is that all components are stored directly on the IBM in classical libraries and an instance is created for the integrated Apachs web server in the IFS folder. There is no need to install any other components either on IBM is or not be client. All this is required on the client is any browner with a current release. All existing applications can be displayed workinged via Cenie in the brows

Because of their interest in expanding their IBM i development to include Node jo, Profound, jo is a perfect fit for Homann. Since Node jo is available on the IBM i since release VEX200 and since vFIX100 is also available with Node jo version I, juxiforijo can now also be used eleganly on the severe isch. This is a very powerful development environment to integrate and work benchlogists. Using the Node Package Manager (PMI) or Turn, finished packages such as Watson Visual Recognition, IoT or more than 1.1 million other packages can be integrate as Open Source on the IBM I.

"The integration of all components was very smooth and we were able to fall back on very competent and reliable partners. Today, our developers can react much faster and deliver better quality at the same time. We are well prepared for the future."

Jürgen Finger IT Manager, Hörmann

Rolling out New, Modern Projects

After a short training and introduction phase of CNOne, Profound III, and Profound ji, the work for new projects started directly. One example is their Normazgeo-Linic project. This project focuses on the generation of production-relevant data in real time. To monitor these new processes, a dashboard was developed which compiles all data in a graphical view and presents this to the users in a previous non-existent way.



In the beginning, there were some small roadblocks with Nodeja', but with the help of the Task Force and Profound Logic Isams, these we soon incode out. In fact, another programmer for javeScript on IBM I has been hived and all programs for data generation in manufacturir processes will be completely implemented on this technology over he next 2 years.

If Manager Jürgen Finger sums up the introduction as follows: "We have got our generation problem under control with the successful introduction of the Task Force modernization concept. The integration of all components was very smooth and we were able to full back very competent and reliable partners. Today, our developers can react much faster and deliver better quality at the same time. We are we prepared for the future".