CASE STUDY

INTERNATIONAL HIGH PRECISION MEDICAL TECHNOLOGY PROVIDER

Streamlining Personnel Cost Planning with Power Platform & Microsoft Fabric

Industry: Medical Technology
Employees: > 1,400

Client Overview:
Client specializes in high-precision medical technology. Founded in 1923, is a family-owned business, now in its third generation. Known for its quality and innovation, the company offers over 29,600 products globally, with a presence in over 100 countries. With a workforce of around 1,400 employees. The client is dedicated to improving life quality through advanced medical solutions and adheres to a values-based corporate philosophy.

Challenge:
The company faced significant challenges in personnel cost planning:

- **Human Resources Challenges:** The existing framework to manage classifications and pay structures for employee groups was multi-pronged.
- **No Scalable Security Concept:** The existing Access database was lacking a uniform security framework.
- **Front end interface:** The interface was not adequate for streamlining the process of reducing the HR's efforts in the planning processes.

Solution:
To address these challenges, the Power Doc 365 solution was implemented. This involved replacing the Access database with Microsoft Dataverse, a robust and secure model-driven app, featuring custom pages and leveraging Power Platform and Microsoft Fabric technologies.

Key Components of the Solution:

- **Model-Driven App:** Replaced the Access database with custom pages, JavaScript customizations, and Power Automate Flows.
- **Power BI Reporting:** Developed comprehensive reporting using Power BI, including Zebra BI for enhanced data visualization.
- **Security Concept:** Established a thorough security framework for both Dataverse and Power BI.
- **Data Model Development:** Created an integrated data model in Dataverse, ensuring seamless connectivity with Microsoft Fabric.
- **Fabric Integration:** Established connections with Microsoft Fabric and OneLake for streamlined data management and storage.

Advantages of the App:

- Unified Management of Security: Centralized security controls improved overall data protection.
- Simplified Management: Enhanced ease of use and administration, reducing complexity.
- Seamless Integration: Integration with Microsoft Fabric enabled more efficient data handling and analysis.
- Role Based Apps: Dedicated apps were developed and delivered for HR and Supervisory Teams
- Centralized point of entry: Planners were provided with single point of entry for Data Analysis and Resource Mapping.

Implementation Details:
A medium-sized manufacturing company required a more secure and efficient solution for personnel cost planning. Initially, the company's existing problems and objectives were identified through consultations with Power Doc 365. This was followed by a detailed requirements workshop, outlining specific needs and planning strategies.
Based on these requirements, Power Doc 365 developed a prototype that replaced the Access database with a model-driven app. This app included custom pages, JavaScript customizations, and Power Automate flows. The project implementation phase also involved setting up Power BI reporting with Zebra BI and developing a comprehensive security concept for Dataverse and Power BI. Additionally, the data model was created in Dataverse, establishing a connection with Microsoft Fabric and OneLake.
A comprehensive test phase ensured all functions worked as intended and met security requirements. After successful testing, the solution was rolled out, followed by the go-live. The new application now provides unified management of the security concept, better and easier management of personnel cost planning, and seamless integration with Microsoft Fabric.

Results:
The implementation of the new solution resulted in significant improvements in the efficiency and security of personnel cost planning. The centralized and automated system streamlined processes, enhanced data security, and integrated seamlessly with Microsoft Fabric, providing a robust platform for future growth and scalability.