



HIGHER EDUCATION

At EPI-USE RAD Solutions, we focus on accelerated application development using the highly successful Mendix development low-code platform. We work with *higher learning institutions* to define an application roadmap that ultimately helps realize quick wins to productize new business ideas or enhance legacy processes. Our approach not only addresses the high demand for new applications, it provides an opportunity for improved communication throughout the development process as we actively engage our clients in order to maximize their experience. In addition to helping institutions create digital applications, we provide excellent collaboration, development technology and expertise in utilizing the agile implementation methodology to make our clients successful.

CASE STUDY: EFFORT REPORTING

BUSINESS PROBLEM

Purdue University was looking to create a new application to replace their current manual (paper) process of effort reporting. Effort Reporting is the process by which the university documents the compensated effort expended on sponsored projects. With regards to Uniform Guidance, the University utilized an "after-the-fact" activity records method. The Personal Activity Report (PAR) form previously documented the proportion of compensated effort devoted to Sponsored Projects expressed as a percentage of total University effort regardless of the total number of hours worked during the Effort Reporting Period. The manual processes to deal with the calculations were inefficient and costly.



EPI-USE/MENDIX SOLUTION

EPI-USE provided Purdue university with an effort reporting system that ensures salary charges to sponsored projects are accurate, allowable, and properly allocated. The **Mendix**-built application documents salaries charged to federally sponsored projects, accurately reflects the work performed, and now meets the requirements of the university policy. EPI-USE helped to deliver a solution that leveraged existing data in various university applications, a payroll system, and multiple SAP systems.

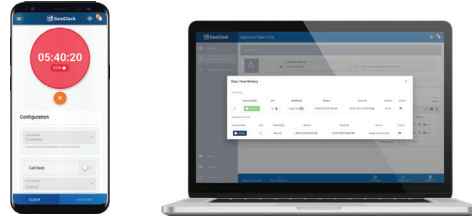


OUR APPROACH

Through Agile/Scrum principles, **EPI-USE** provides higher education and learning institutions an opportunity to start with an idea, build a proof of concept, check that it will make a difference, and quantify these differences. The proof of concept can then evolve into a working application, where organizations can celebrate success and work on their next idea. The agile methodology combined with **Mendix** delivers in the most demanding scenarios and simplifies the development of critical applications.

LOW-CODE PLATFORM

Mendix is a market-leading application development platform that provides a number of key benefits to ensure our client's digital application goals are realized. The Mendix application works alongside existing IT systems, allowing organizations to develop applications quickly and without impacting their core systems. The platform is suitable for both large-scale digital transformation and smaller projects, meaning innovation without high levels of investment. Built for collaboration, the platform encourages teams to work together to deliver projects quickly and efficiently. Applications can be deployed as native mobile (iOS & Android) or as a responsive browser application.

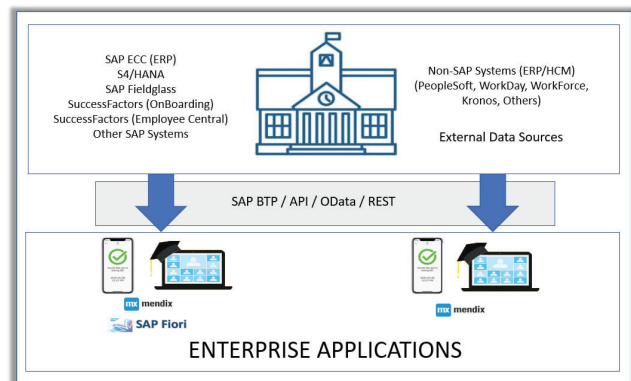


For **higher education & research** institutions, Mendix makes sense not only for quick application deployments to solve complex university issues, it also can be leveraged as part of technology-related degrees programs and training CIS/MIS students

ARE YOU AN EXISTING SAP CUSTOMER?

SAP now supports Cloud Foundry which means you can deploy the Mendix platform using the SAP Business Technology Platform (SAP BTP). This allows Rapid Application Prototyping and enhanced integration of Mendix into your SAP landscape. Whether you are leveraging Success Factors, extending S/4HANA or ECC(ERP) functionality, or simply engaging faculty & students through a campus portal, **EPI-USE** RAD solutions combined with the Mendix platform will accelerate "time to value" for these initiatives.

NOTE: EPI-USE can also migrate your legacy systems to S/4HANA, Success Factors, and other cloud technologies.



SAP & MENDIX: HOW DOES IT WORK?

- ✓ SAP OData Connector (MX) – This MX widget provides a connection to the OData services configured in the NetWeaver Gateway (see below)
- ✓ OData Model Creator (MX) - Pre-built models for Mendix based on the SAP API Business Hub. Any custom models would be found using the "SAP Catalog Service" and exposed as a web service (see transactions SICF/SEGW)
- ✓ Netweaver Gateway (SAP) - This needs to be licensed and configured on your Netweaver server. If you are using Fiori, you probably already have this.
- ✓ SAP SSO – The XSUAA Connector for SAP Cloud Platform allows single sign on (SSO) for your Mendix application when you deploy it to SAP Cloud Platform.
- ✓ SAP OData Query Builder - Allows you to construct an OData query in a microflow from its basic components without needing to construct the query string in an HTTP compliant way, and without needing to know all the details of constructing OData queries.
- ✓ SAP Fiori Theme (optional)

Why work with EPI-USE? We have success in solving common challenges in Higher Education.

Labor Distribution
Effort Reporting
Salary/Position Control
Time Collection
Vacation Tracking
Technology Licensing
Research Project Mgmt



Campus Portal
Class Registration
Parking Reservations
Registrar Forms
Bursar Forms