

## What is ERPsim?

**ERPsim** is a business simulation running on a live SAP S/4HANA system. Played in teams of 3 to 5, participants compete in a simulated marketplace where they strive for operational excellence and beat their competitors. Using SAP Fiori transactions, real-time analytics and optional machine learning, players experience realistic end-to-end enterprise processes, and the impacts of their decisions on business outcomes. Effective with executive stakeholders, project teams and end users, **ERPsim** does not require any prior SAP knowledge and comes with embedded step-by-step help. Whether assessing the latest SAP solutions, planning an implementation, or to motivate your teams, ERPsim helps you provide focus and alignment on your digital transformation goals.



## The Enterprise Asset Management Simulation

The **Enterprise Asset Management** simulation leverages standard Asset Management/Plant Maintenance functionality in SAP S/4HANA, as well as predictive elements of cloud-based SAP Enterprise Asset Management. The winning team is the one achieving the highest asset availability and the lowest maintenance costs. The simulation takes participants through each step of the maintenance maturity curve, from corrective, to planned and ultimately predictive maintenance. In Round 1, participants must create and prioritize maintenance notifications for a series of equipment, using data from IoT sensors. These notifications are then assigned to Work Centers of varying levels of productivity and capacity. An Inventory Specialist ensures that required spare parts are available for doing the work, while a reliability engineer/financial controller monitors asset availability and costs. In Round 2, participants can implement Planned Maintenance activities, using real-time analytics, observe the impact on equipment availability and overall maintenance cost, and adjust their plan accordingly. In Round 3, historical data supports more sophisticated decision-making. Participants set predictive maintenance thresholds, based on real-time sensor data and work execution data to increase asset availability at the lowest cost. In this scenario, clerical or back-office functions such as goods receipt, payments to vendors, and postings to the general ledger are automated by the simulator, allowing participants to focus on the operational decision-making that directly impacts business outcomes. The **Enterprise Asset Management** Scenario is also available in a version where participants maintain electrical power generators rather than pumps. Processes and transactions are identical. Starting in Round 2, participants can enable **Machine Learning bots** to provide decision support for their specific role, or even allow the bot to execute tasks on their behalf, providing a practical introduction to modern machine learning capabilities in enterprise systems.

## Target Audience

The Enterprise Asset Management scenario is suitable for the following audiences and use cases:

**Decision-makers** who want to understand the value of the latest SAP solutions, understand its potential and organizational impacts, in an end-to-end, outcomes-focused environment.

**Project and Digital Transformation teams** wishing to kick off and align the organization on clear value targets, clarify their requirements, test out innovations or move their organization up the asset management maturity curve.

**All SAP end-users** involved in asset management value chain. Unlike traditional training which typically focuses on role-based transactions, ERPsim helps participants understand the contribution to value creation.

ERPsim is completely web-based, so there is no software installation or configuration required. The simulations can also be played on-site or remotely where all the participants are connected through a conferencing software that has a breakout room feature, such as Zoom or Microsoft Teams.

An ideal session consists of 10 to 25 participants, supervised by at least 1 certified facilitator. For larger groups, more facilitators can be brought in, or coaches can be trained.

To participate in the simulation, participants need only access an internet browser on their PC, laptop and other electronic devices, with the latest versions of Google Chrome, Microsoft Edge or Safari.

The simulation runs on SAP S/4HANA and the SAP Business Technology Platform, used by companies all over the world.

## Enterprise Asset Management

In this scenario, 3 rounds of 21 minutes are recommended. Additional rounds can also be run if time allows but taking the time to complete the first 3 rounds is critical for participants to master the different transactions, rules and business processes of the game.

## Objectives and Goals

ERPsim provides an **authentic business experience**. Participants learn more than the points and clicks of SAP transactions: they see how information flows, process collaboration and the intelligent use of technology **create value**.

ERPsim is a **holistic learning environment** comparable to a flight simulator. By accelerating time, fostering competition and simulating interactions with business partners, ERPsim provides an engaging experience that makes it stand out from typical system demos or training.

ERPsim showcases the **latest SAP technology**, from user interfaces, cloud integration, real-time analytics and machine learning. It accelerates the technology discovery process, and allows organizations to **test out innovations**.

## Agenda

- 20 min. Overview and Instructions
- 20 min. System Intro (login, short navigation, etc.) and R1 concepts
- 21 min. Play R1
- 20 min. Short debrief of R1 and introduction to R2 concepts
- 21 min. Play R2
- 20 min. Break, Short debrief of R2 and introduction to R3 concepts
- 21 min. Play R3
- 20 min. Final Debrief

