



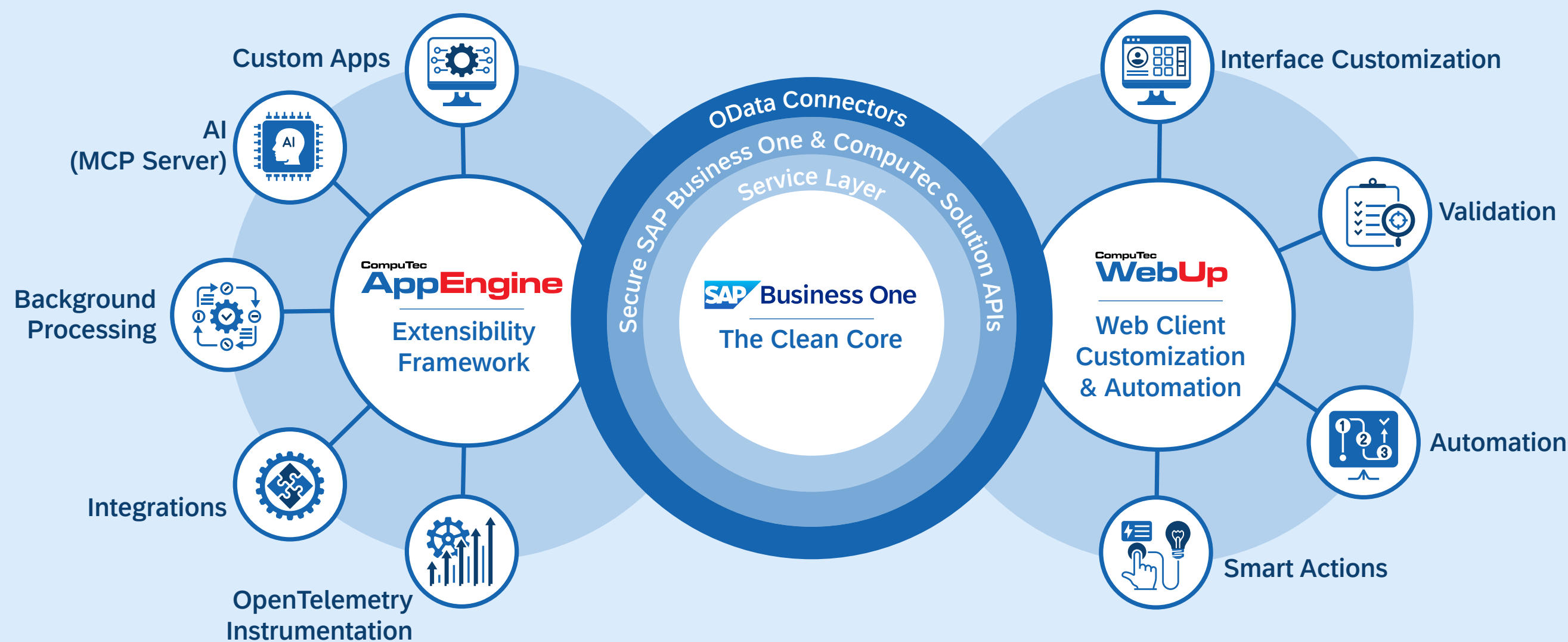
Compu**Tec**

Customization &
Extensibility for
SAP Business One

Elevate your **SAP Business One** Experience

Your business doesn't stay still, and the technology you use shouldn't either. To stay competitive, you need a system that adapts to your unique workflows, not the other way around.

Together, CompuTec AppEngine and CompuTec WebUp provide a complete toolkit to transform SAP Business One into a high-performance, bespoke environment.



Custom SAPUI5 Apps with a Native Feel

CompuTec AppEngine provides the framework to build, deploy, and manage powerful custom applications that feel like a native part of your SAP Business One environment, including in the SAP Business One Web Client.

The User Experience

Native SAP Fiori Design: Modern, responsive interfaces built to SAP standards.

Fluid Workflows: Full “Yellow Arrow” support for seamless navigation into SAP Business One and Computec ProcessForce objects.

Anywhere Access: Launch via SAP Business One Desktop Client, Web Client, or any browser.

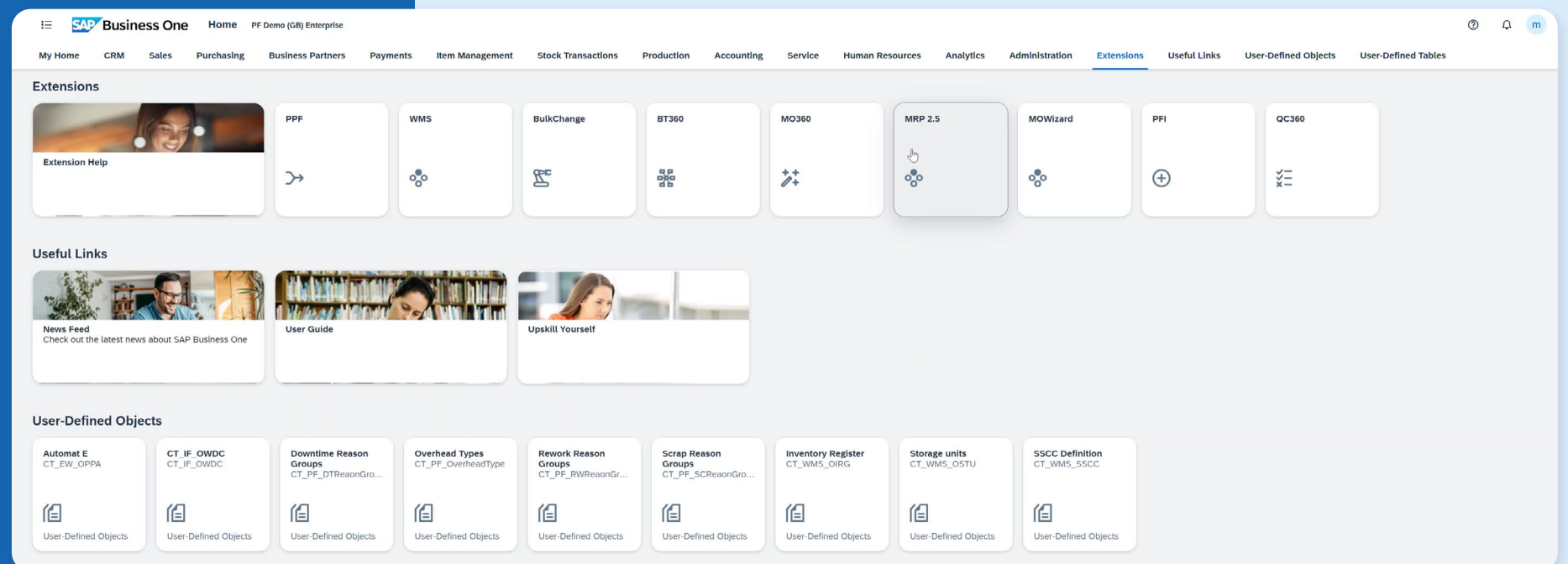
Analytical Pages: Custom analytics based on app data for real-time, context-specific insights.

The Developer Ecosystem

Rapid-Build Toolkit: A comprehensive SDK and Visual Studio Extension to accelerate development.

Template-Driven: Use pre-built templates to move from idea to deployment in record time.

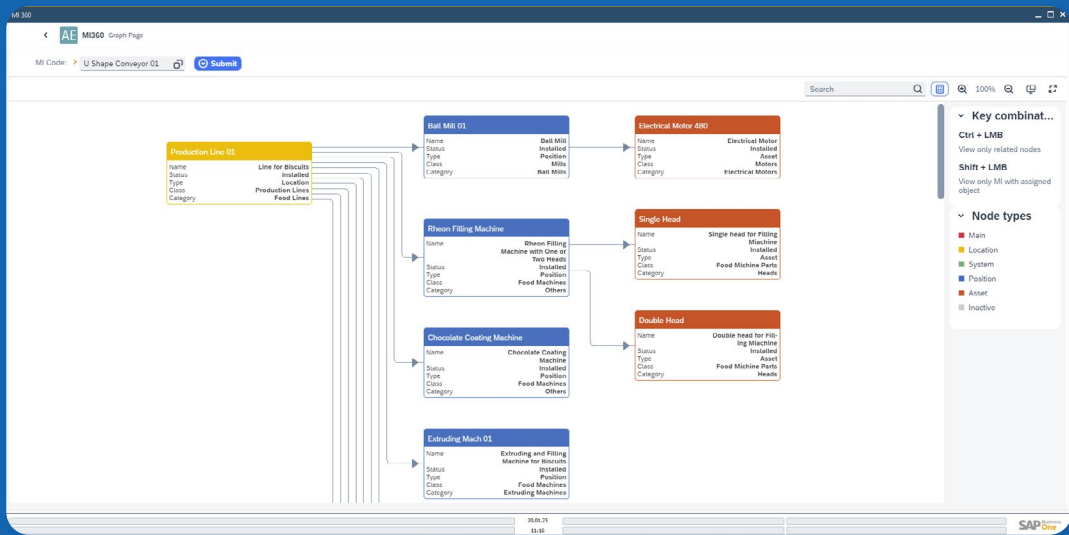
Lifecycle Management: Built-in App Store to handle versioning, dependencies, and multi-company installs flawlessly.



Build the solutions your business needs

CompuTec AppEngine SAPUI5 App Examples

Batch Traceability



Plant Maintenance Mobile

Meter Reading

MICode:

U Shape Conveyor 01

Checkpoint Scope:

Mileage counter reading U shape conveyor

Physical Meter MI Code:

Mileage Counter 01

Status:

Started

Reading Value:

10

Findings:

Memo Follow Up:

Reading Date:

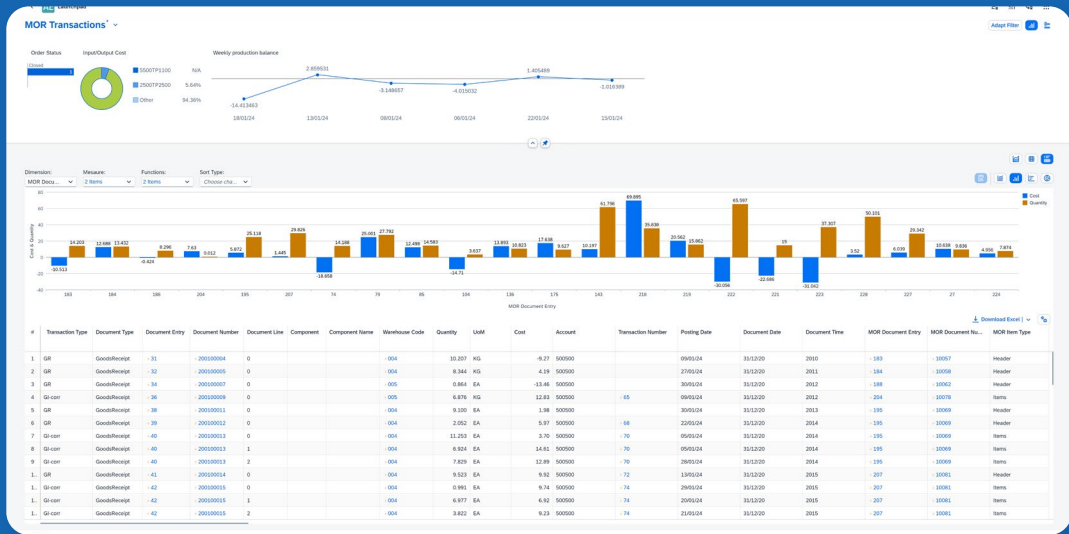
19-09-23 13:15:52

Close Document:

Add

Cancel

Analytical Page



Background Processing

CompuTec AppEngine handles long running tasks in the background, keeping your SAP Business One interface fast, responsive, and ready for work.

Efficiency Without Interruption

Invisible Automation: Run complex business logic, calculations, and data synchronization without affecting user performance.

Smart Triggers: Run jobs automatically based on time (CRON expressions), events (SAP Transactions), or manual requests.

Company-Specific Logic: Activate and configure unique automation rules for each company in your environment.



Total Operational Control

Centralized Monitoring: View, filter, and manage all running jobs from a single, intuitive dashboard.

Full Execution History: Access detailed logs and performance statistics to optimize run times and reliability.

Advanced Trigger Management: Edit schedules or launch multiple jobs simultaneously with a single click.

How can background processing save you time?

- ✓ Automated Document Creation
- ✓ Data Synchronization
- ✓ Automated MRP Runs
- ✓ Inventory Label Printing
- ✓ Shelf-life and Expiry Date Monitoring
- ✓ Report Generation



Integrations and the Connected Ecosystem

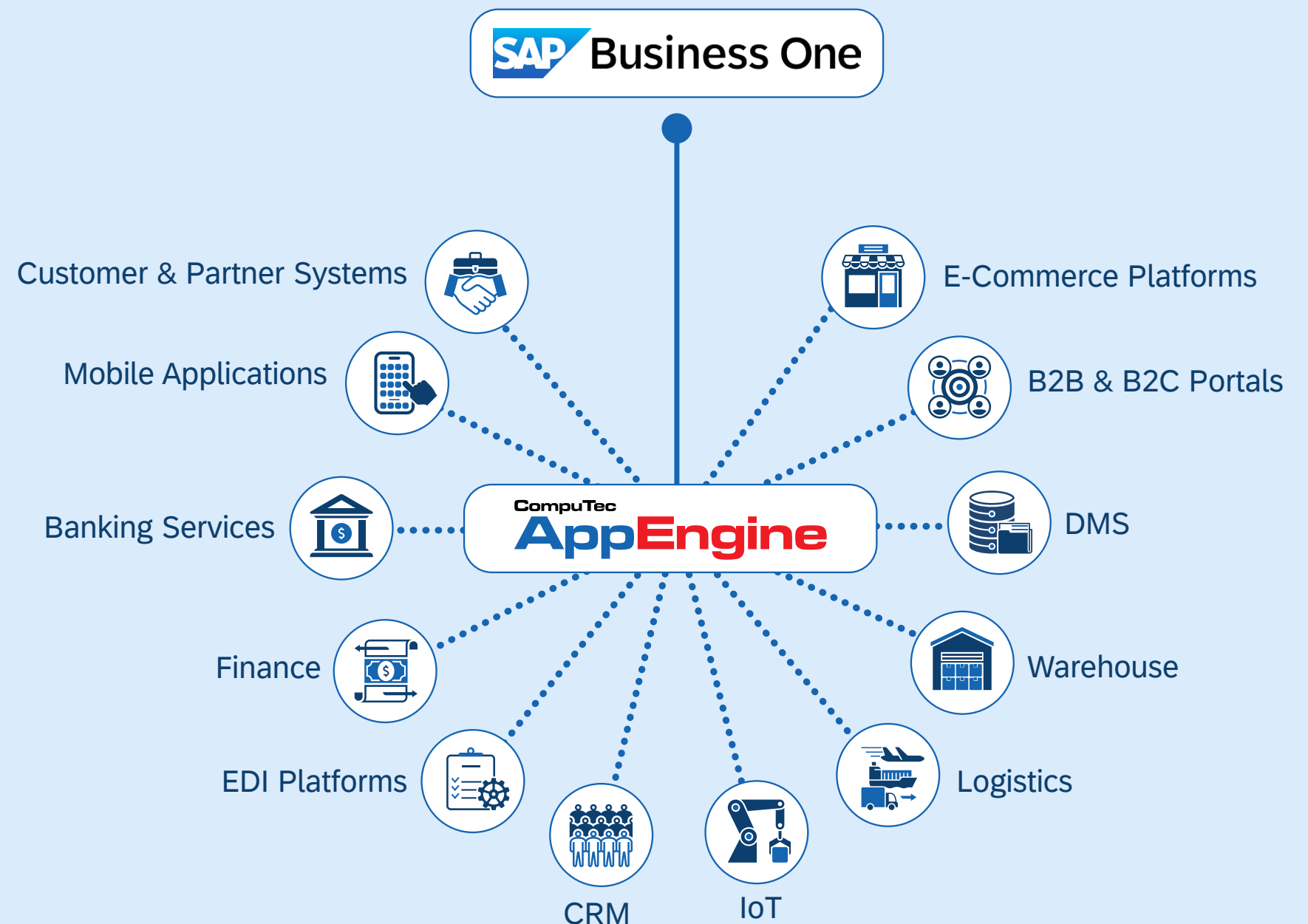
CompuTec AppEngine provides a secure, simplified communication layer to connect legacy systems, third-party software, and physical machinery directly to your SAP Business One data.

A Unified Digital Landscape

Legacy and Third-Party Connectivity: Integrate essential software and niche solutions with continuous data flow.

Smart Machinery and IoT: Use standard HTTP protocols to collect real-time operational insights directly from the factory floor.

Standardized API Controllers: Securely expose OData v4/REST controllers so external web apps can safely read and write to your SAP environment.



OpenTelemetry Instrumentation and System Observability

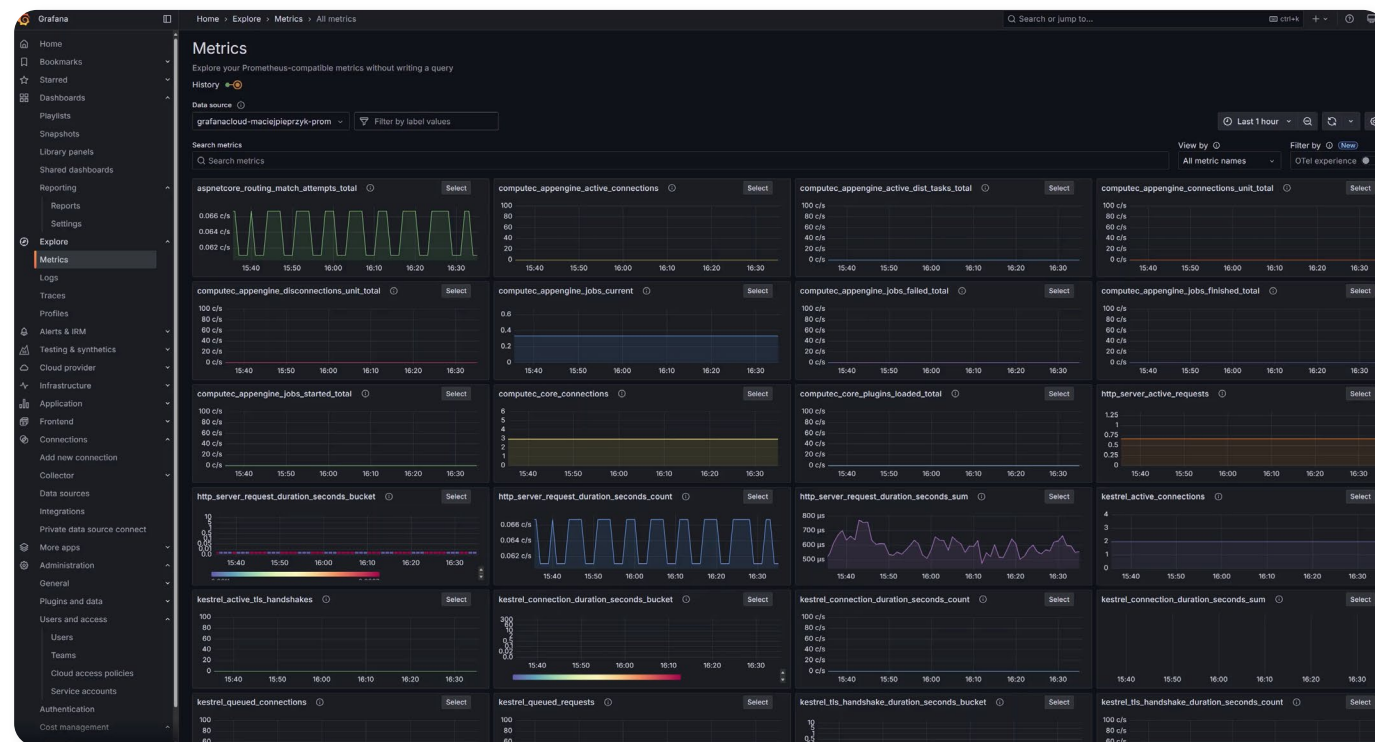
Ensure your system runs at peak performance with enterprise-grade monitoring. CompuTec AppEngine supports OpenTelemetry, meaning you can gain real-time insights into the performance and health of your entire SAP Business One and CompuTec solution deployment with your preferred observability vendor.

Actionable Intelligence at a Glance

Metrics, Traces and Logs: Understand what is happening in your system and why.

Faster Resolution (MTTR): Diagnose root causes instantly with deep technical context, slashing downtime and minimizing business impact.

Proactive Detection: Set automated alerts based on key performance indicators to catch potential issues before they affect your users.



Flexibility for the Modern Enterprise

Tailored Monitoring Profiles: Define multiple OpenTelemetry profiles, such as platform monitoring, tenant-specific performance, or deep debugging, to suit your specific needs.

Vendor-Agnostic Visualization: Seamlessly integrate your data with industry leaders like Grafana for powerful, user-friendly dashboards.

Data-Driven Decisions: Use historical performance data to inform capacity planning, infrastructure investments, and future application development.



The MCP Server and AI-Driven Intelligence

The Model Context Protocol (MCP) Server is a dedicated adaptor within CompuTec AppEngine that enables Large Language Models (LLMs) to act as intelligent partners, securely interacting with your SAP Business One and CompuTec solution data.

Contextual Accuracy with Natural Language

Direct Agent Integration: Connect AI agents like Claude Desktop, Cursor, and GitHub Copilot directly to your company database via a secure, smart translator.

Intelligent Data Retrieval: Retrieve real-time business context, ensuring that answers and actions are based on your actual data.

Natural Language Workflows: Query data or execute complex tasks using simple, conversational language, reducing the learning curve for sophisticated system operations.

From Insight to Action

Action-Oriented Automation: Use AI to automatically create documents and execute multi-step workflows directly within SAP Business One and CompuTec ProcessForce.

Universal Capability: Works seamlessly across both the SAP Business One Desktop Client and the Web Client, providing a consistent AI experience for every user.

Tailored Solutions: Build customer-specific or industry specific tools that address your unique operational challenges.

Revisions: Status: Quantity: Expiry date: Selected documents: Batch Number: Go Clear Adapt Filters

e.g. Dec 22, 2026-Dec 31, 2...

17 Items

Item Code	Item Name	Revision	Revision name	Batch	Sys num.	Attribute 1	Attribute 2	Supplier Batch	Expiry date	Expiry Time	Status	Quantity	Remarks
Product-B	Product-B	code00	default	2012-04-18-14	1			Test 4	27.07.12 02:00	00:00	Locked	22,000	
Product-B	Product-B	code00	default	2012-04-23-15	2				01.08.12 02:00	00:00	Locked	30,000	
Product-B	Product-B	code00	default	2025-06-13-70	9				21.09.25 02:00	00:00	Locked	1,000	
Product-B	Product-B	code00	default	2025-06-13-71	10				21.09.25 02:00	00:00	Locked	1,000	
Product-B	Product-B	code00	default	2025-06-18-72	11				26.09.25 02:00	00:00	Locked	1,000	
Product-B	Product-B	code00	default	2025-07-30-82	13				03.12.25 01:00	00:00	Locked	6,000	
Product-B	Product-B	code00	default	2025-08-12-84	12				03.12.25 01:00	00:00	Locked	996,000	
Product-B	Product-B	code00	default	2025-09-27-85	14				05.12.25 01:00	00:00	Locked	4,000	
Product-B	Product-B	code00	default	2025-09-03-92	15				12.12.25 01:00	00:00	Locked	2,000	
Product-B	Product-B	code00	default	2025-09-03-94	16				12.12.25 01:00	00:00	Locked	2,000	
Product-B	Product-B	code00	default	2025-09-04-96	17				13.12.25 01:00	00:00	Locked	5,000	
Product-B	Product-B	code00	default	2025-09-04-97	18				14.12.25 01:00	00:00	Locked	1,000	

All Expired Batches Successfully Locked

I have successfully locked all expired batches for item "Product-B" in warehouse 01. Here's the summary:

Batches Locked:

1. 2012-04-18-14 (22 units) - Expired: 2012-07-07 LOCKED

2. 2012-04-23-15 (30 units) - Expired: 2012-07-12 LOCKED

3. 2025-06-13-70 (1 unit) - Expired: 2025-09-01 LOCKED

4. 2025-06-13-71 (1 unit) - Expired: 2025-09-01 LOCKED

5. 2025-06-18-72 (1 unit) - Expired: 2025-09-06 LOCKED

6. 2025-06-12-84 (996 units) - Expired: 2025-11-13 LOCKED Largest quantity

7. 2025-07-30-82 (6 units) - Expired: 2025-11-13 LOCKED

8. 2025-08-27-85 (4 units) - Expired: 2025-11-15 LOCKED

9. 2025-09-03-92 (2 units) - Expired: 2025-11-22 LOCKED

10. 2025-09-03-94 (2 units) - Expired: 2025-11-22 LOCKED

11. 2025-09-04-96 (5 units) - Expired: 2025-11-24 LOCKED

12. 2025-09-04-97 (1 unit) - Expired: 2025-11-24 LOCKED

13. 2025-10-08-101 (quantity N/A) - Expired: 2025-12-27 LOCKED

14. 2025-10-08-102 (quantity N/A) - Expired: 2025-12-27 LOCKED

15. 2025-10-08-104 (quantity N/A) - Expired: 2025-12-27 LOCKED

16. 2025-10-08-105 (quantity N/A) - Expired: 2025-12-27 LOCKED

17. 2025-10-08-107 (quantity N/A) - Expired: 2025-12-27 LOCKED

Summary:

Total batches locked: 17 batches

Status changed from Released → Locked

Warehouse: 01

Verification: No more expired batches remain in "Released" status

All expired inventory for Product-B is now blocked from use in production and sales orders, protecting your quality control standards.

open item "Product-B" in webclient

I'll open the item "Product-B" in the SAP Business One Web Client for you.

Reply...

Success 4.5



The
Business
Value



Reduced
Manual
Effort



Operational
Precision



Accelerated
Innovation

The SAP Business One Web Client Your Way with CompuTec WebUp

CompuTec WebUp is a user-friendly customization and automation toolkit that transforms the SAP Business One Web Client into an intuitive environment tailored specifically to how your team works.



The Power of Personalization

Democratized Customization: Empower consultants and internal IT managers to make SAP Business One Web Client interface changes without relying on developers.

Role-Specific Efficiency: Simplify complex screens into task-focused interfaces that maximize productivity across your organization.

Future-Ready Strategy: Align your business with SAP's long-term, cloud-first direction by building customizations natively within the SAP Business One Web Client.

The Strategic Advantage

Cut Development Costs: Implement UI changes quickly and internally.

Minimize Transition Effort: Building in the Web Client ensures your system is ready for the next generation of SAP Business One technology.

Easier Onboarding: Cleaner screens mean faster training and higher user adoption.

SAP Business One Web Client Interface Control

CompuTec WebUp gives you the tools to reshape the SAP Business One Web Client interface to match your internal terminology and operational flow.

Sales Team Template

Draft

VW-00007 - 1.0.0

Preview

Activate

Select Control

View Details

Control Details

Controls

Code	Title	Control Type	Active	Delete
CD-00041	Number of Shi...	Input	ON	
CD-00031		Sub Section	ON	
CD-00030		ChooseFromList	ON	
CD-00028	Order Status	Combo Box	ON	

Selected Control

Section (1) > Sub Section (1) > Document Details > Order Status

Change Code:

CD-00028

Description:

Control Type:

Combo Box

Position

Target Control:

Section (1) > Sub Section (1) > Document Details

Basic Options

Label:

Basic

Dynamic

Order Status

Mandatory:

Basic

Dynamic

Visible:

Basic

Dynamic

More Options

Save

Close

Field-Level Intelligence

Custom Labeling: Rename any control to match your business terminology.

Guided Input: Add helpful tooltips and define specific input types (e.g., dates) to ensure data consistency.

Data Protection: Configure fields as Read-Only to protect master data or Mandatory to ensure critical information is never missed.



Precision Layout Management

Flexible Placement: Move buttons, fields, and groups into optimal positions.

UDF Optimization: Move User-Defined Fields (UDFs) from the bottom of the view into specific, relevant sections.

Visibility Control: Instantly hide unnecessary or sensitive fields and buttons to reduce clutter and maintain focus.

Adding New Controls: Insert custom buttons, sections, and groups to expand the functionality of any view.

Intelligent Automation and Validation

Move beyond static data entry. CompuTec WebUp allows you to embed functional intelligence directly into the interface, preventing errors before they reach your database.

Real-Time Data Integrity

Smart Validation: Trigger validation checks before or after a user clicks Add, Update, or Close.

Conditional Logic: Implement “If/Then” rules (e.g., if Field A is selected, Field B must contain a value).

Instant Feedback: Use custom warning pop-ups and validation messages to guide users toward correct data entry.

Automated Workflows

Event-Driven Actions: Trigger powerful JavaScript-based automations based on view events, such as clicking a button or changing a status.

Seamless Hand-offs: Automatically generate follow-up tasks, activities, or documents via the Service Layer.

Smart Actions: Run user-defined code to execute complex business logic directly from the Web Client UI.

Sales Team Template [Draft] VW-00007 - 1.0.0 [Preview] [Activate] [Select Control]

View Details **Control Details**

View Actions

Details

Code: *
AC-00003

Name: *
Number of Shipment should be filled for Customer Group Wholesale

Active:
Yes

Triggers

On Update:
Before

On Add:
Before

On Cancel:
No Trigger

On Close:
No Trigger

Action Script

Templates Parameters Snippets

```
1- {  
2-   const result = await parameters.AppEngineService.getTableRowByKey  
3-   ("OCRD", "CardCode", parameters.DataModel.CardCode);  
4-   const NumOfShipment = parameters.DataModel.IO_ExpectedNoOfShip;  
5-   if(result.GroupCode === 100 && !NumOfShipment) {  
6-     await parameters.oEnv.showMessageBox( b1.sdk.MessageBoxType  
7-     .Error,  
8-     "You need to fill in Number of Shipment for Wholesale  
9-     Customers",  
10-    {  
11-      title: "Missing Number of Shipment"  
12-    });  
13-    parameters.oEvent.preventDefault();  
14-  }  
}
```



The CompuTec Development Manifesto

Modern extensibility requires a modern stack. Our solutions are built to be light on your infrastructure and heavy on performance, following SAP's „Clean Core“ methodology.



Our Technical Blueprint

Architecture & Framework

The Engine

Built on .NET and OData v4, ensuring high-speed data processing and industry-standard security.

The Interface

Fully compliant with SAPUI5 and SAP Fiori standards for a seamless, native user experience.

The Bridge

Utilizes the SAP Service Layer for secure, real-time communication with your SAP Business One database.

Deployment & Compatibility

Cloud-Ready

Designed for on-premise, hosted, or SAP Cloud environments.

Cross-Platform

Access your custom apps via the SAP Desktop Client, Web Client, or any modern Web Browser.

Multi-Tenant Support

Manage multiple companies and localized requirements from a single, centralized AppEngine installation.

Lifecycle & Security

Automated Maintenance

Integrated App Store for one-click updates and dependency tracking.

Enterprise Security

Support for SSL/TLS encryption, token-based authentication, and full event logging.

Observability

Native OpenTelemetry instrumentation for professional-grade system monitoring.

Why Choose CompuTec?

Choosing a customization platform is about more than just features. It's about choosing a partner who understands the complexities of modern industry. With decades of experience in the SAP ecosystem, we don't just provide tools, we provide the foundation for your digital transformation.



Manufacturing & Logistics DNA

We specialize in high-compliance, process and discrete manufacturing industries where traceability, production, and logistics are mission-critical.

A Global Partner Network

Supported by certified SAP Business One Partners in over 60 countries, ensuring local expertise wherever you operate.

A “Clean Core” Pioneer

We build according to SAP's newest extensibility standards, ensuring your customizations never hinder your next upgrade.

Commitment to Innovation

From AI-readiness to enterprise-grade observability, we provide the tools that keep your business ahead of the curve.

Connect With Us

Ready to extend your possibilities?

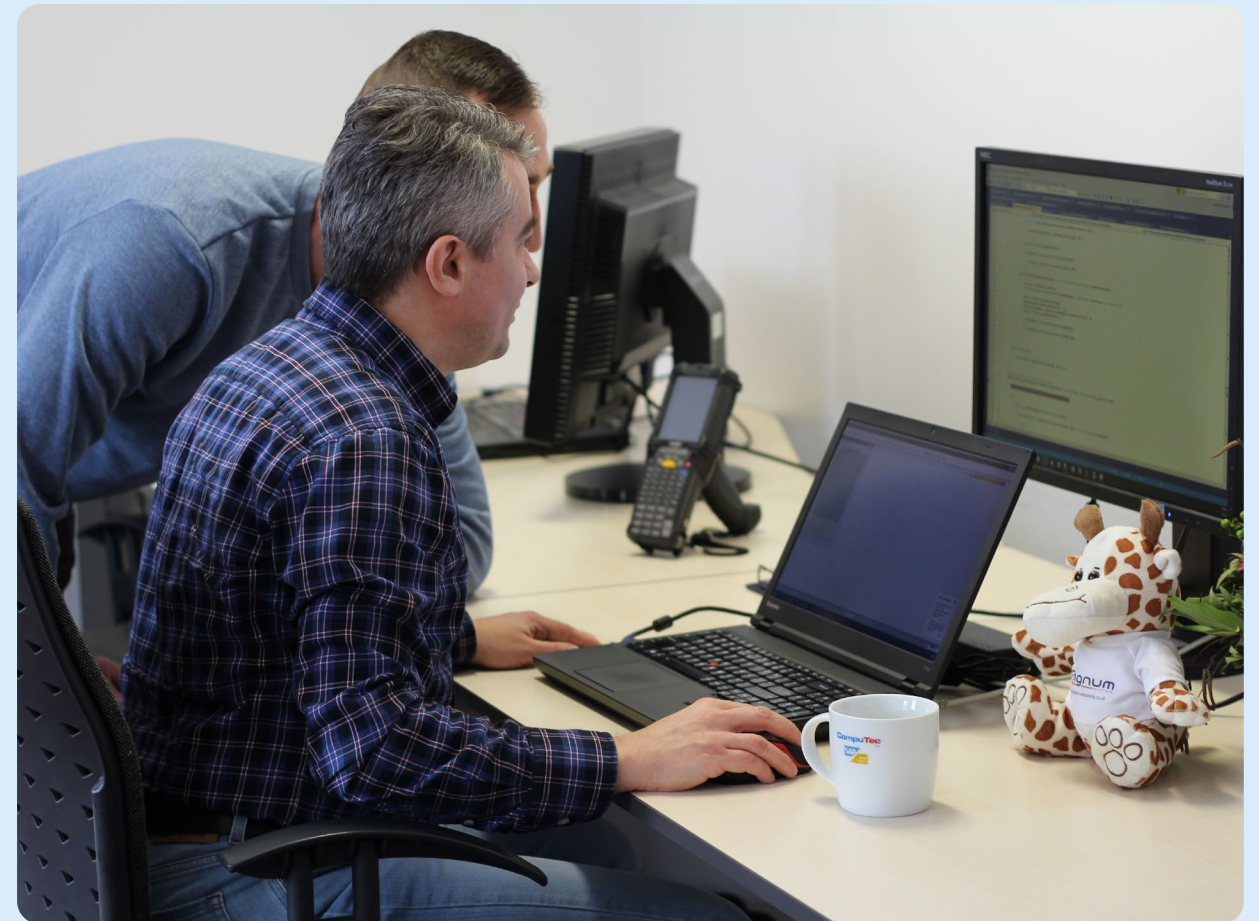
The future of SAP Business One is flexible, automated, and entirely under your control. Whether you are a customer looking to optimize or a partner looking to build, we are ready to help.

Take the Next Step

Book a Demonstration: See our solutions in action with a tailored demonstration.

Consult with Our Team: Discuss your specific integration or automation requirements.

Access Developer Resources: Explore how our SDKs can empower your technical staff.



CompuTec

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