



Enterprise Portfolio and Project Management in SAP S/4HANA

Recent Developments and Outlook

Andrea Langlotz, SAP
September 2020

PUBLIC

Disclaimer

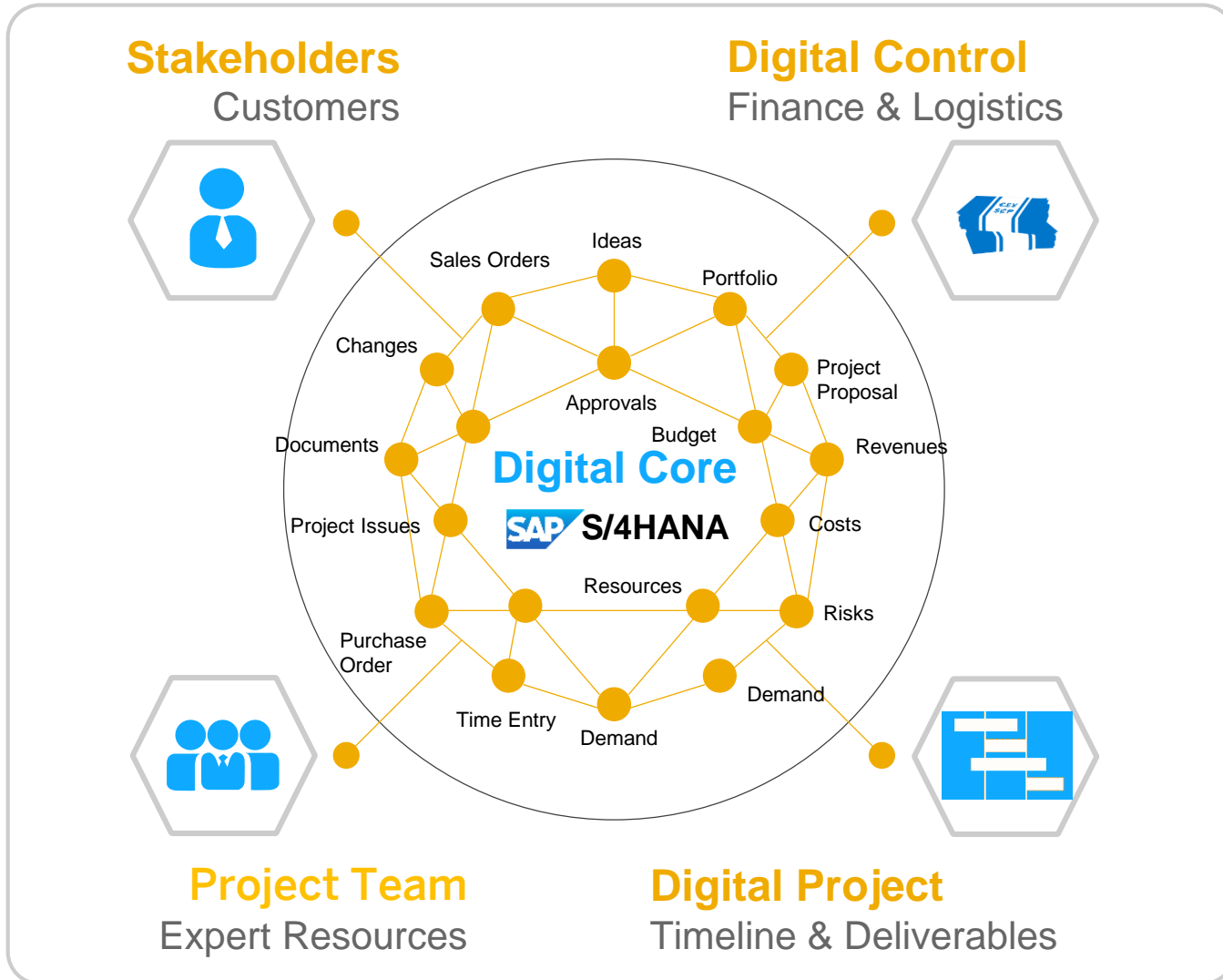
The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.

This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation, except if such damages were caused by SAP's intentional or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

Overview of Enterprise Portfolio and Project Management in **SAP S/4HANA**

SAP S/4HANA – The Digital Core for Projects



Immediate

- Single source of truth
- Instant access

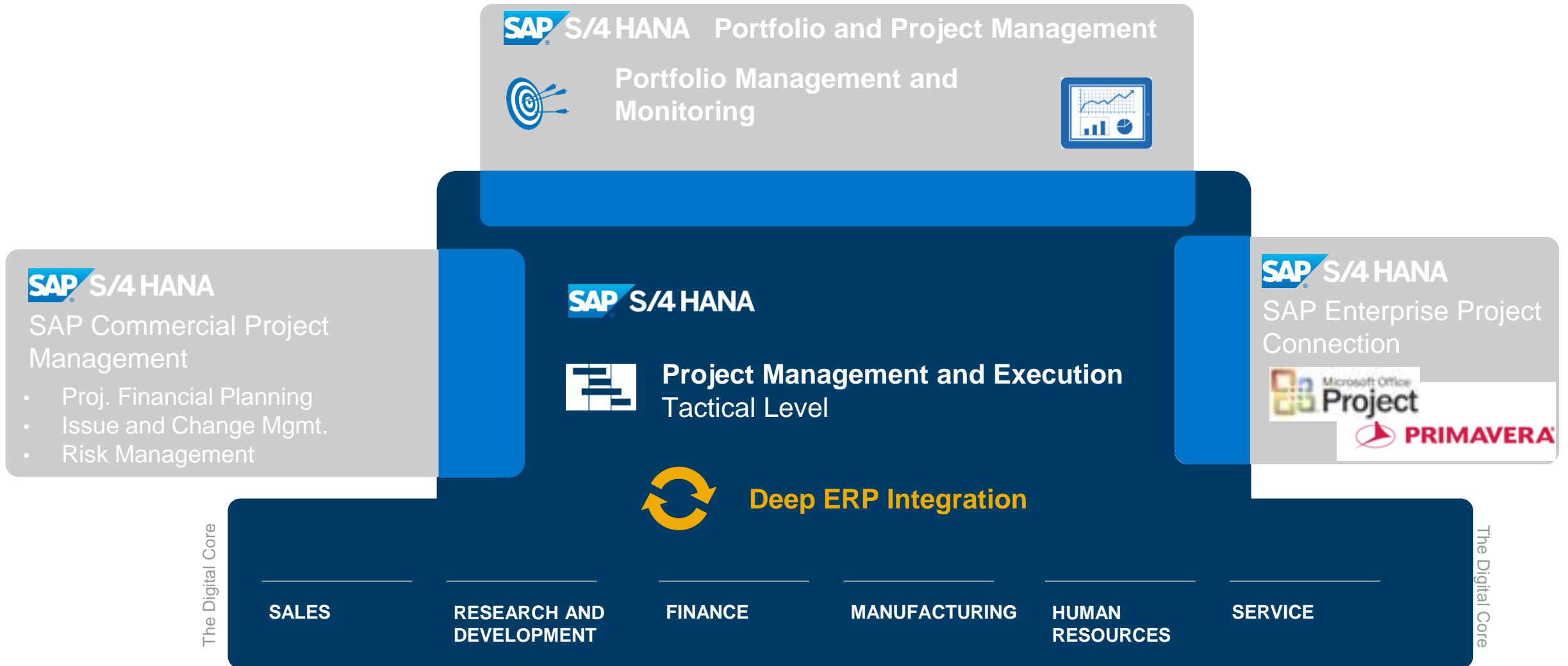
Integrated

- Platform that “connects” all project participants (internally and externally)
- Integration to business functions

Interactive

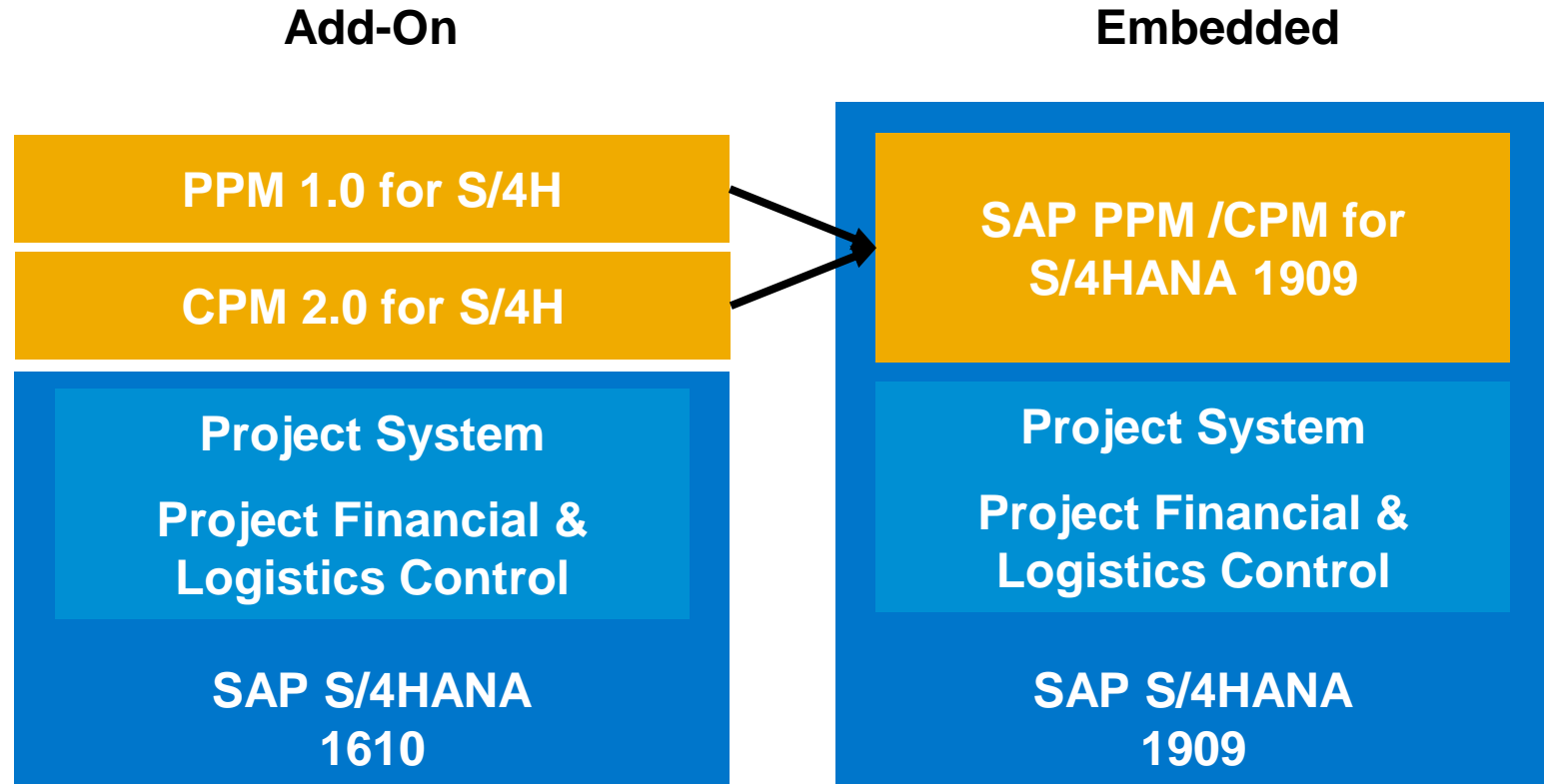
- Real-time project analytics
- Role-Based User Interface built on SAP Fiori Apps

Capital Portfolio and Project Management Solution Components



Changed Delivery Model 1610 vs 1909

- SAP Portfolio and Project Management and SAP Commercial Project Management is as of 1709 technically delivered with SAP S/4HANA
- No longer required to install separate add-on on top of SAP S/4HANA
- Less TCO and maintenance effort



S/4HANA Innovations for Project System

- SAP Fiori Launchpad Content for Project Financial Controller and Project Logistics Controller Role
- SAP Fiori Apps for Project System
 - Transactional Apps
 - Project Cost Report – Overview
 - Project Cost Report – Line Items
 - Manage Project Procurement
- CDS views for master data details of operative and versioned project system entities as well as key facts for project system entities to support e.g. digital boardrooms in SAP Analytics Cloud

The screenshots illustrate various SAP Fiori views for Project System:

- Project Structure - Project Sydney:** Shows a hierarchical WBS tree for a project, including levels for Planning, Management & Control, and Engineering.
- WBS Element Overview:** Provides a detailed view of WBS elements, including filters for Project definition, WBS element, and Level.
- Project Costs - Line Items:** Displays cost data by category and component. It includes a bar chart for 'Costs by Cost Category in K USD' (Actual: 1.3, Plan: 2.4, Baseline: 1.6) and a line chart for 'Aggregated Costs' over time.
- Manage Project Procurement:** Shows a list of purchasing documents with columns for Project, WBS Element, Material, Purchase Requisition Item, Ordered / Total Quantity, Net Price, and Delivery Date / Status. It includes progress bars and status indicators for each item.

S/4HANA Innovations for Portfolio and Project Management Fiori Apps

- Fiori Launchpad
- Entry Page for Project Managers
- Planned, active, critical, last used projects,
- Upcoming milestones
- Projects as a substitute
- My Check List Items
- My Tasks List

The screenshot displays the SAP Fiori Project Management interface. The main dashboard includes several key views:

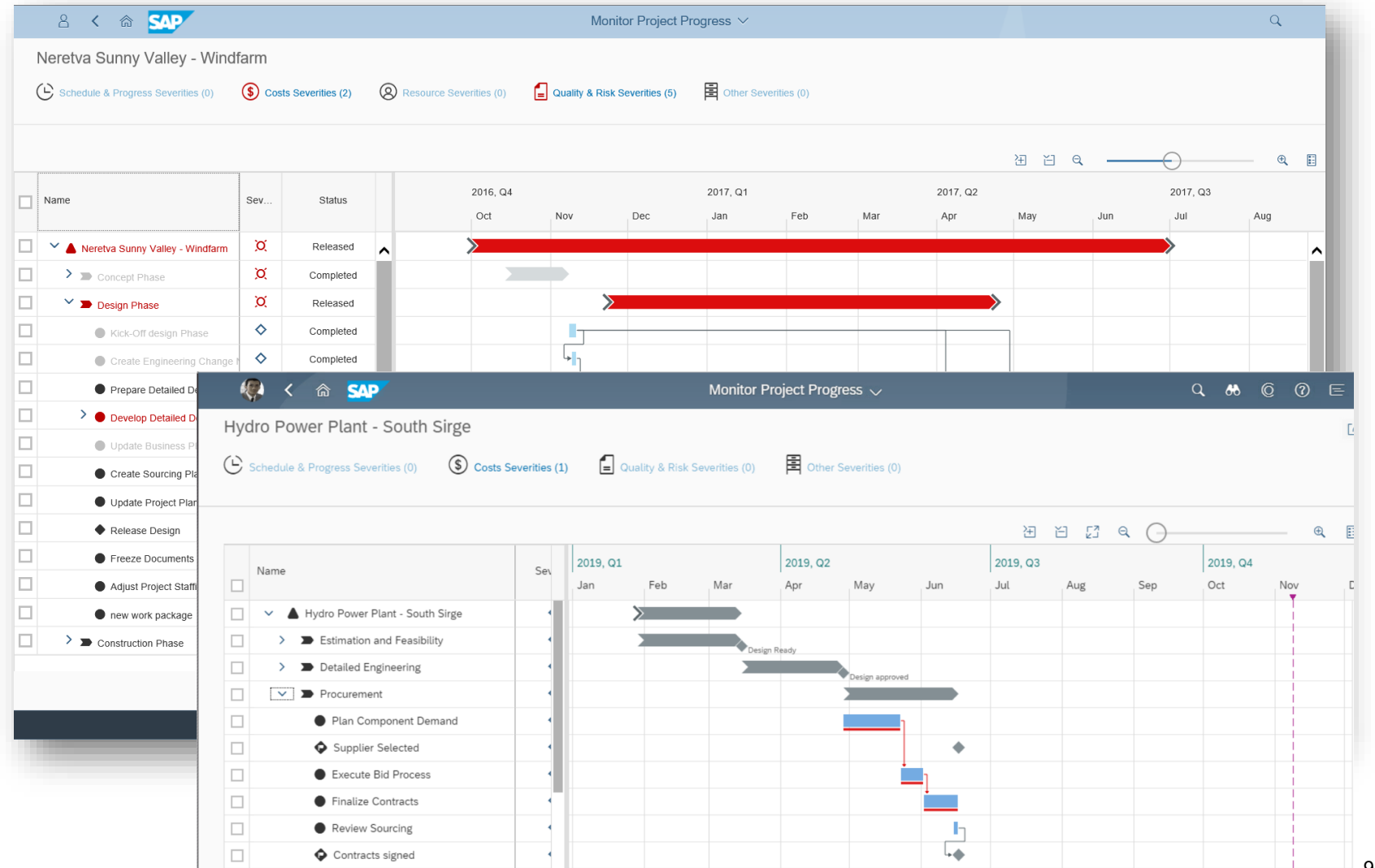
- My Timesheet:** Manage working time.
- Timesheet: Initial Screen:** Initial screen for timesheet management.
- Confirm Project Milestone:** A dialog box for confirming project milestones, currently open. It shows:
 - Status and Severity:** Severity: OK, Current Status: Released - Transferred - Assigned, New Status: No Change.
 - Note:** Task completion delayed due to missin documentation from supplier. Expect completion by end of design phase.
 - Work Progress:** Done Since Last Confirmation: 65,00 Hour; Remaining: 20,00 Hour; Planned: 80,00 Hour; Confirmed: 65,00 Hour; Forecasted: 85,00 Hour.
 - Completion:** Percentage: 70 Percentage (%).
 - Dates:** Actual Start: 12.11.2016; Actual Finish: dd.MM.yyyy.
- My Projects - Upcoming Milestones:** Shows dates of upcoming milestones for projects like Electric Motorbike Mark 1 and Mark 3.
- My Projects - Critical:** Shows severities of active projects, including Quality Hazardous and Cost Hazardous.
- My Projects - Planned:** Shows projects not yet released, such as Hybrix Series 5500.
- Display Last Used Projects:** Shows a history of projects with a 'View All' button.

S/4HANA Innovations for Portfolio and Project Management

Gantt

Fiori App

- Graphical chart (Gantt) and table to display a project
- Highlight alerts based on business rules
- Navigate to causing project element
- Contextual navigation for editing or viewing projects
- Aggregated display of milestones



S/4HANA Innovations for Commercial Project Management

- SAP Fiori Launchpad Content for Commercial Project Management
- SAP Fiori Apps for CPM
 - Multiproject Overview
 - Project Details
 - Procurement
- CDS views for commercial project master data
- Change Logs for Planning

The screenshot displays a SAP Fiori Launchpad interface with three overlapping views:

- Multiproject Overview:** Shows the project context 'CAPEX ZAD' and the selected project 'Neretva Sun Windfarm 01-0001'.
- Procurement Overview:** Shows the selected 'Purchase Order' for a 'Standard PO' (4500029049) with a net value of 732,520.00 USD.
- Purchase Order Details:**
 - General Information:** Supplier: SGS COMPANY (LSUPP-0001), Created on: 05.10.2017, Net Value: 732,520.00 USD.
 - Delivery and Payment:** Payment Terms: as of end of month, Incoterms: Ex Works (EXW), Incoterms (Part 2): TEST.
 - Recipient:** Company Code: L100 (L100), Purchasing Group: Group 000 (000), Purch. organization: Purch. organization: Purch Org USA (L10).
 - Items Table:**

Short Text	Material Group	Material	Delivery date	Order Quantity	Net Order Price	Price Unit	Net Order Value
Cement	Raw Materials (L002)	Cement (ML-CEMENT)	07.09.2018	1,000,000 TO	732,52 USD	1 TO	732,520,00 USD
 - Purchase Requisition Items:** (Table structure visible at the bottom).

Recent and Planned Innovation

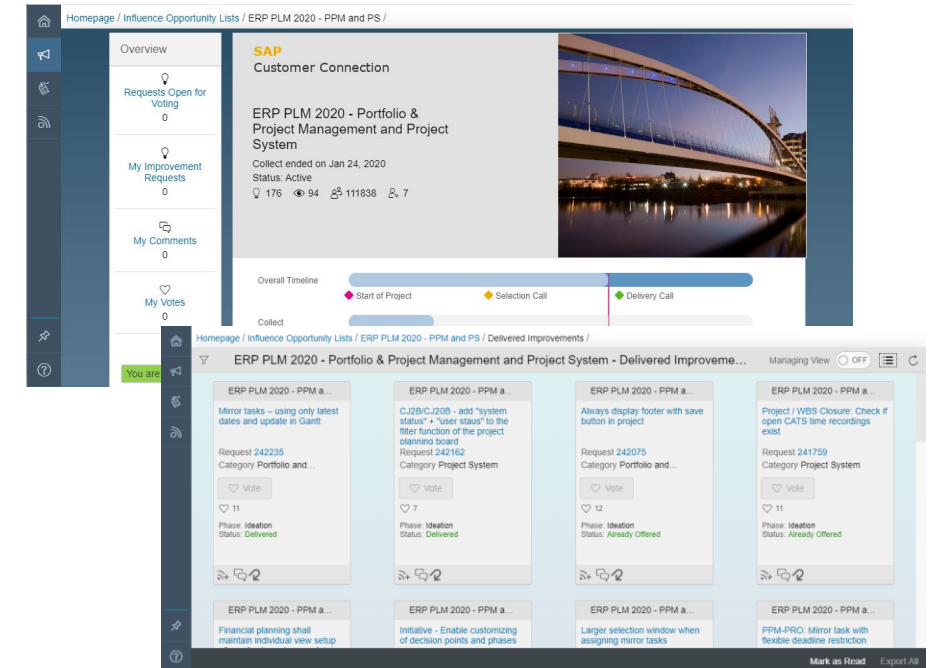
Continuous improvements based on customer-driven improvement requests

Annual Customer Connection projects

- [ERP PLM 2018 - Portfolio & Project Management and Project System](#)
- [ERP PLM 2019 - Portfolio & Project Management and Project System](#)
- [ERP PLM 2020 - Portfolio & Project Management and Project System](#)
- Delivery calls planned for Oct/Dec 20
- ERP PLM 2021 - Portfolio & Project Management and Project System
- Kick-off 8th October

Improvements

- PPM: 15
- PS: 15
- PPM: 10
- PS: 10
- PPM: 14
- PS: 16



[ERP PLM 2020 - Portfolio & Project Management and Project System](#)

Continuous improvements based on customer-driven improvement requests

Project System

Customer Connection 2019

- Note [2855257](#)
- 4 IR delivered+ 4 IRs via Pilot Note

Network Header Description available in transactions CN47N/CN47/CNS47

Allow copying in transaction CJ9B/CJ9BS if status CLSD(Closed) is set

Display user details for Created By/Changed By user

Deactivate actual work time is automatically calculated when forecast/rem. work time value is reduced

Network	Act. Elem	Project definition	WBS element	Order category text	Activity desc.	Control key text	Work cntr. D	Network Description
4004744	0010	T345	XTEST1	Network	Activity 1 under Heade...	Network - internal processing		Network Header - 1
4004744	0010 0030	T345	XTEST1	Network	Activity Element 1 und...	Network - internal processing		Network Header - 1
4004744	0020	T345	XTEST1	Network	Activity 2 under Heade...	Network - internal processing		Network Header - 1
4004745	0010	T345	XTEST2	Network	Activity 1 under Heade...	Network - internal processing		Netowkr Header 2

Project Builder: Project 123458

Project Structure: Description | Identification

- Construction Project. | 123458
 - Foundation | 1234581
 - WBS Element 1234582 | 1234582

Identification and view selection

Project def. 123458 | Construction Project.

Detail: [icon]

Overview(s): [icon]

Basic Data | Control | Administration | Collect. PR Indicators

Administration

Created By [field] | Created On 31.07.2019

Changed by 11223344 | Last Changed On 17.10.2019

Last basic sched [field]

Last fst sched [field]

Y60(1)/800 Users: Detailed Information

User 11223344

First name Rob

Last name Boss

Department Billing

Telephone 88776655

Extension 090

Continuous improvements based on customer-driven improvement requests

Portfolio and Project Management

Customer Connection 2019

- Note [2849313](#)
- 10 Improvement Requests delivered

Idea Code	Title	SAP Note
219190	PFM: mass change and deletion of classification buckets' association (2019)	2794058
219634	Customizing: Text of all customer connection switches should contain the note number as reference	2794707
219640	PPM-PRO+PFM: Manageable authorizations for deletion and creation of items and projects (2019)	2808555
220048	PPM-PRO: Critical path according to critical path method (2019)	2843965
222653	PPM-PRO Copy function: Copy also Demands of Role and Role-Task-Assignments in a project	2843264
223013	PPM: Tab Documents: Column "Description" should be added in table view	2775617
223496	Create Item with an existing project as template (instead of using a project management template)	2840708
223501	Item Mass update: customer fields are not available	2807169
223579	PPM-PRO: Optimize space usage in detail view (e.g. bigger description field)	2767281
223580	PPM-PRO: User Settings: Default view in table view (List Display/Structure View)	2805388

Portfolio and Project Management

Recent Innovations

Portfolio and Project Management

Adobe Interactive Forms Replacement to enable Firefox, Chrome, Edge support

Print Fact Sheet, Printing of Notes

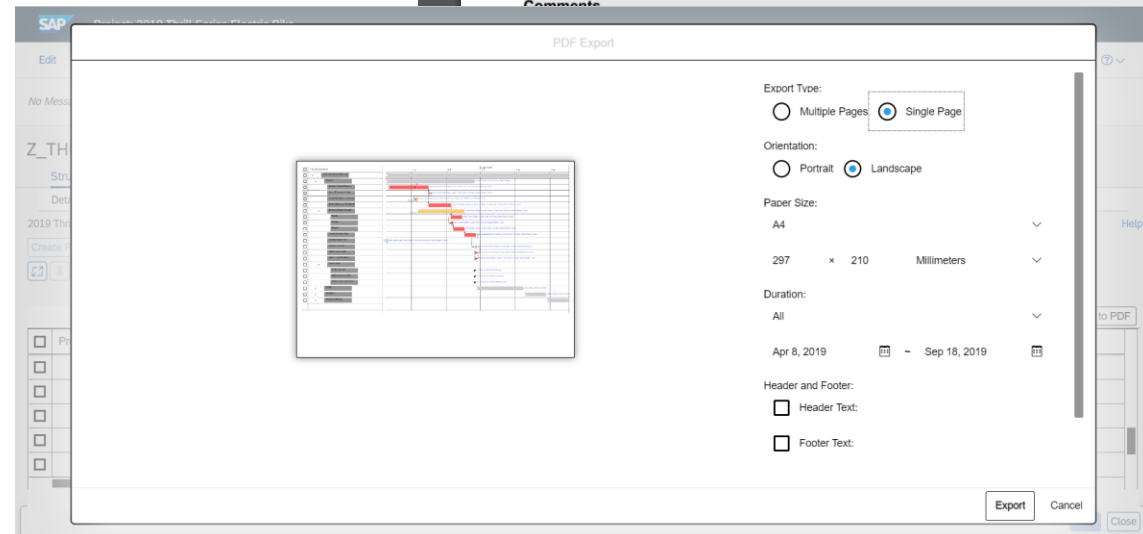
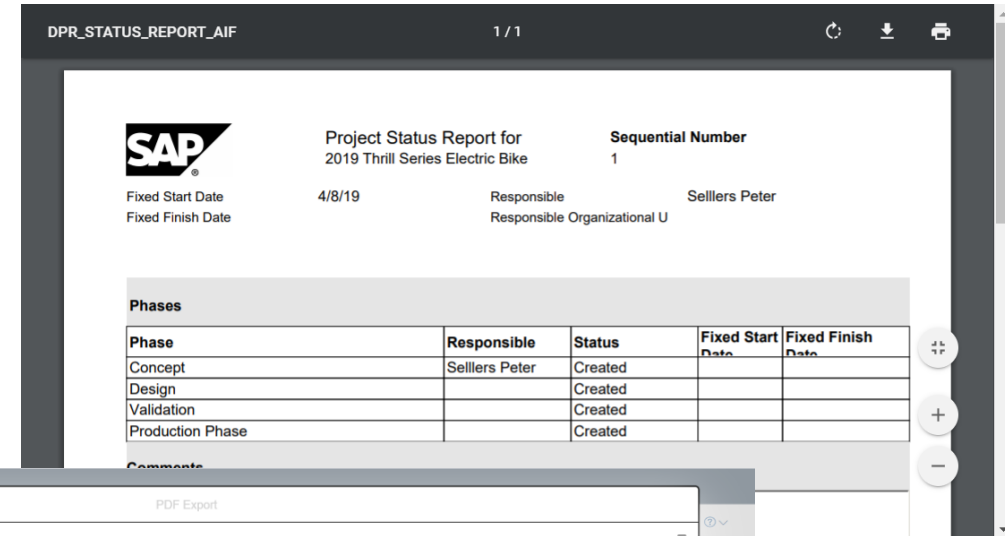
- Note [2879652](#)
- PPM 6.1. SP14, S/4 1909 FPS2

Status Reports, Approvals

- Note [2850870](#)
- PPM 6.1. SP14, S/4 1909 FPS1

SAPUI5 Gantt Export to PDF

- Note [2857019](#)
- PPM 6.1. SP14, S/4 1909 FPS1



Planned Innovations Portfolio and Project Management

Planned

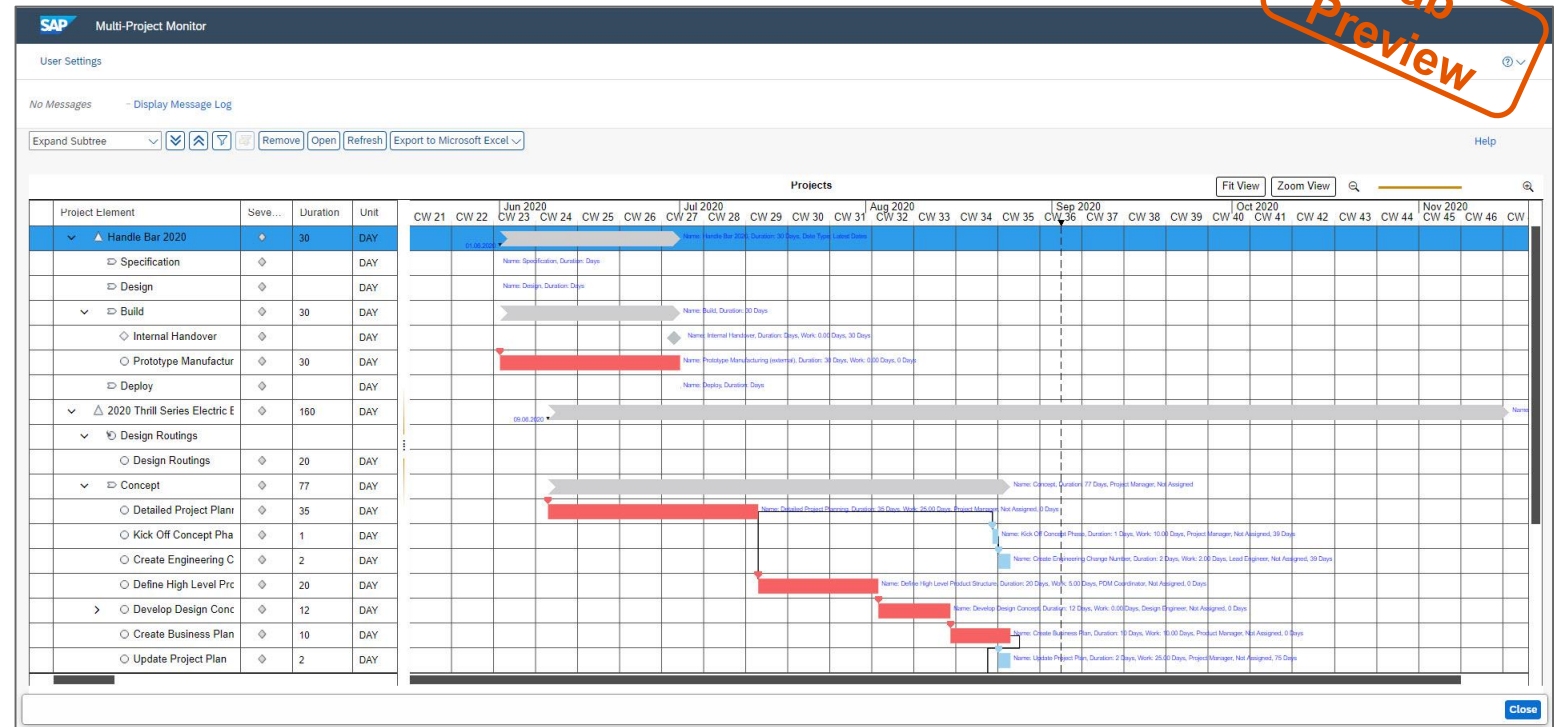
Multi Project Monitor based on UI5 GANTT

- planned for S/4 2020 and FPS/SP of lower S/4, PPM 6.1 releases

Lab Preview

Customer Connection 2020

- 14 planned Improvement Requests for PPM
- Planned availability Q4/20-Q1/21



Product Direction Portfolio and Project Management

Planned

Enhanced integration between PPM and Commercial Project Management

- Harmonized Master Data Creation between Portfolio Item/Project and Master Project
- Synchronization of Attributes

Risk Management for Portfolio Items and Projects

CDS Views for Portfolio Reporting

The screenshot displays the SAP Risk Management interface for 'S-9090: Solar Field - White Valley 3AB'. The main view is the 'Risk Register' table, which lists various risks with their descriptions, categories, and impact levels. Below the table, there are summary statistics for 'Estimated Cost Impact' (1,000,00 USD) and 'Schedule Delay(Days)' (30). The 'Long Description' field contains the text 'Resource not Available to meet the schedule'. At the bottom, the 'Issue and Change List' table shows two issues: 'Site Access Issue, Road Construction req' and 'Resource not available to meet schedule', both with a 'Very High' priority and 'Major' impact.

Risk ID	Risk/Op...	Risk S...	* Risk Description	* Cat...	Subca...	Identifie...	Probability	Impact	Cost	Quality	Schedule	Scope	Risk S...	Risk Level Icon	Level ...
S-9090-...	Risk	New	Resource not available to meet sche...	Constru...	Equipm...	Planning	Highly Like...						0		
S-9090-...		New	Defecency in drawings	Design	Design ...	Planning	Highly Like...						0		
S-9090-...		New	Design Change in Foundation	Constru...	Design ...	Planning	Unlikely (...						0		
S-9090-...		New	Change in Construction Methodology	Design	Design ...	Planning	Near Certa...						0		
S-9090-...		New	Delay due to Poor weather at Site	Constru...	Equipm...	In Execu...	Near Certa...						0		
S-9090-...		New	Amendment of contract	Administ...	Administ...	Commis...	Highly Like...						0		

Object ID	Title	Priority	Impact	Status	Employee Responsible	Created On	Object Category
300000060	Site Access Issue, Road Construction req	Very High	Major	New	Jack Kincaid	10.02.2017	Issue
300000061	Resource not available to meet schedule	Very High	Major	New	Jack Kincaid	10.02.2017	Issue

Project System

Planned Innovations Project System

Planned

User Fields

- Enable user fields in Project Definition, WBS element, Network activity and Network Activity element overviews and detail apps

The screenshot displays the SAP WBS Element Overview and detail view. The overview table lists 14 WBS Elements for project S4M-0003. The detail view for 'S4M: Project 0003' shows the configuration for user fields.

Project Definition	Project Defi...	WBS Element	WBS Element Name	Le...	User Field 1 Value	User Field 2 Value	
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003	S4M: Project 0003	1	Custom Text 1	Custom Text 2
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				
<input type="checkbox"/>	S4M-0003	S4M-0003	S4M-0003				

Field Key	General Fields	Numeric Fields
Field Key: 0000001	Text 1: Custom Text 1 Text 2: Custom Text 2 Text 4: -	Quantity 1: - Quantity 2: - Value 3: - Value 4: -

Dates	Checkboxes
Date 1: 09.09.2020 Date 2: 10.09.2020	Indicator 1: No Indicator 2: Yes

Planned Innovations Project System

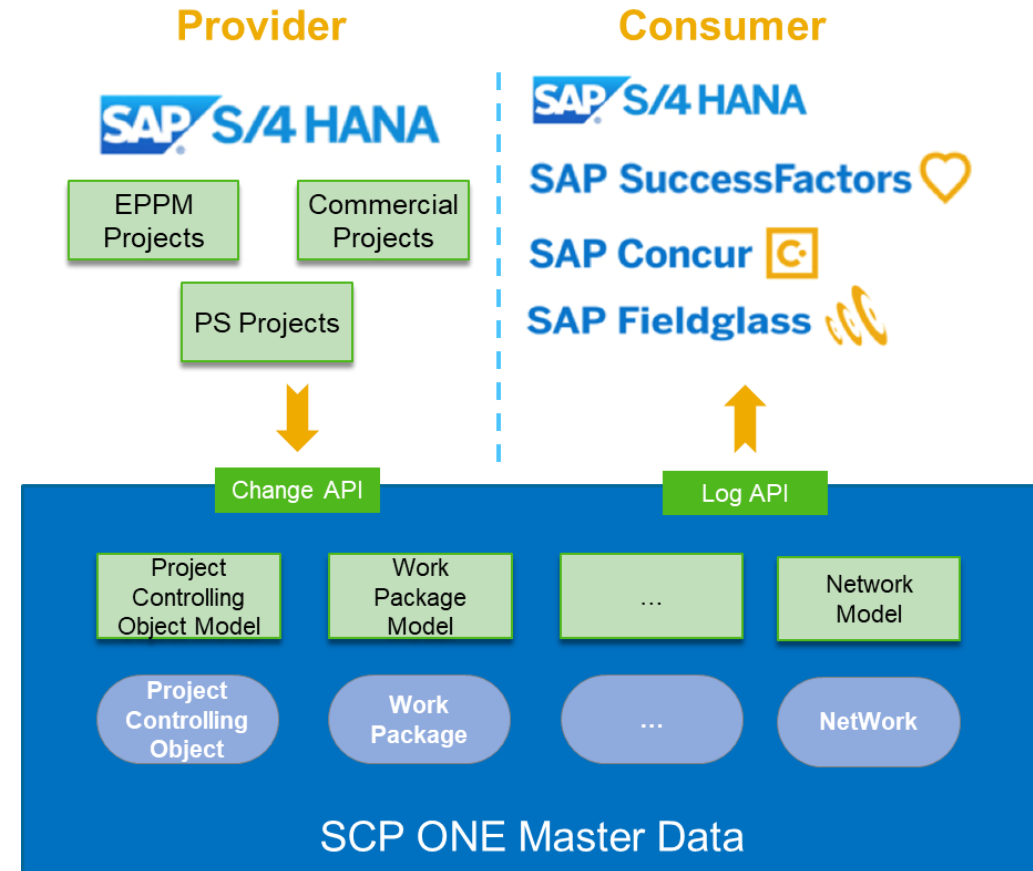
Planned

Support of extended Central Finance scenarios

- Allow settlements of replicated projects in Central Finance

Modernized architecture for more flexible integration scenarios

- Integration to OneMaster Data Scenario
- API for WBS



Planned Innovations Project System

Planned

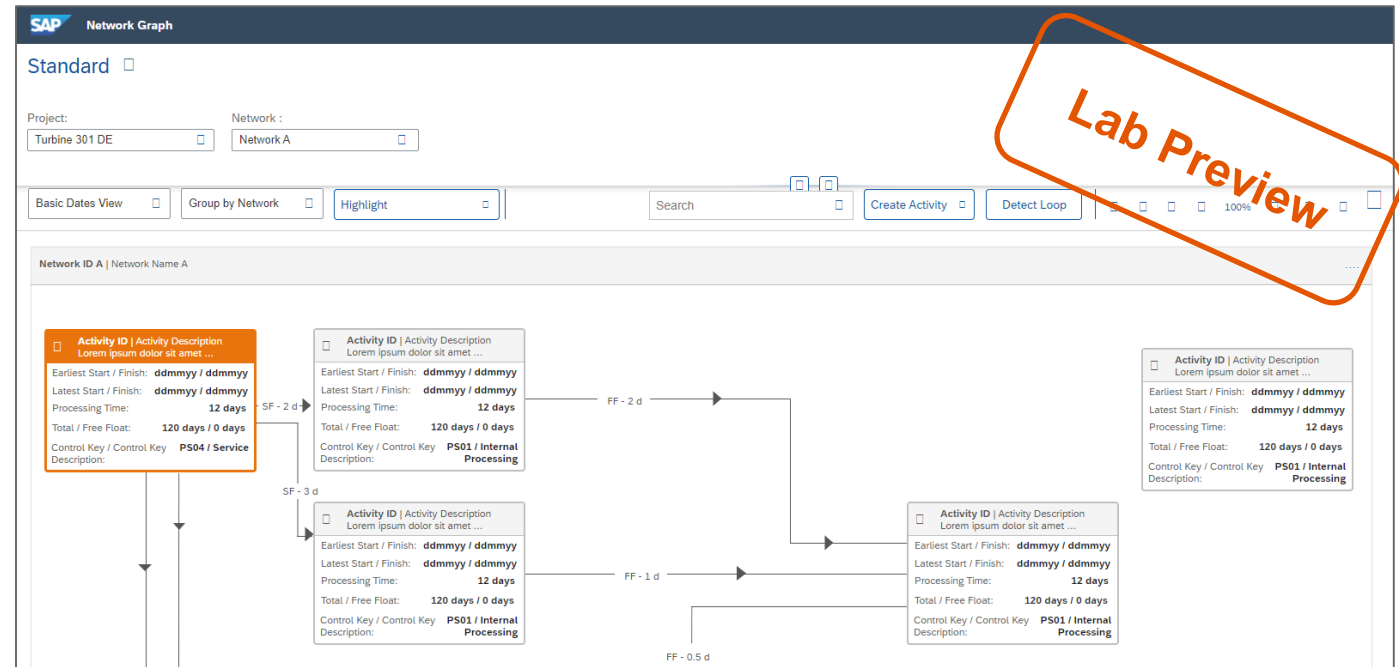
Fiori App „Project Network Graph“ (display)

Integration into Project Builder and Fiori
Apps

Navigation from SAPUI5 graphic to
related object Fiori Apps

Out of Scope

- full feature parity with SAP GUI
graphics



Lab Preview

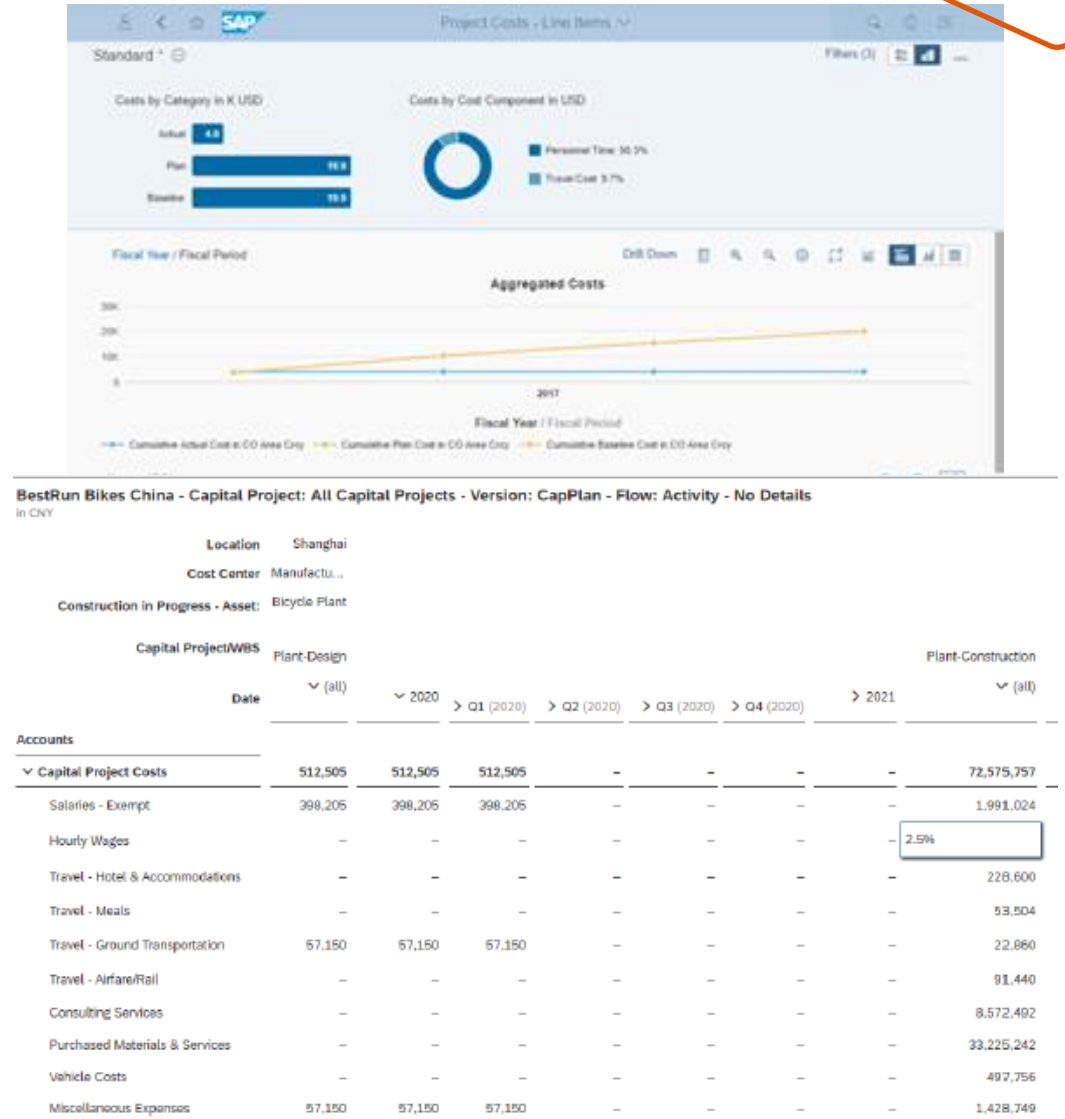
Product Direction Project System

Provide Roadmap for selected compatibility scope and simplification items

Integrate Project Cost Planning with new Financial Planning in S/4HANA Finance and leverage of additional Finance innovations

- Integration of Easy Cost Planning in new S/4HANA Financial Planning (CPM and PPM integration scenarios)
- Integration of Networks in new S/4HANA Financial Planning
- Assigned order cost in Fiori based project reporting
- SAC forms for project costing and reporting

Planned



Commercial Project Management

Recent Innovations Commercial Project Management

Cross-project view

- Flexible Definition of a User's Projects via BAdi

Project Variance

- new category in the cross-project view based on threshold variance

Mass-Update of Team Members

Audit Log of changes to planning

Handling Change Requests in Active Versions

The screenshot displays the SAP Multiproject Overview interface. At the top, there are navigation icons and the SAP logo. Below that, the page title is 'Multiproject Overview'. A filter bar includes 'CAPEX ZAD', 'Project ID' (with a search box containing 'Hudson Yards...' and a '2 More' button), 'Start Date (Range)' (with a date range 'dd.MM.yyyy - dd.MM.yyyy' and a calendar icon), 'Industry' (with a dropdown arrow), 'Project Stage' (with a dropdown arrow), 'Adapt Filters (1)', and a 'Go' button.

The main content area has tabs for 'KPI', 'STATUS', and 'GENERAL'. Below the tabs, there's a section for 'Projects (3) | Capex' with a 'Navigate To' button and a settings icon. The table below shows project variance data:

<input type="checkbox"/>	Alert	Project / Customer	Planned Cost	Actual Cost	Cost:Plan vs. Actual(Up to Cur. Month)	EAC Cost vs. Planned Cost	Change Request	Earned Value:Plan vs. Actual
<input type="checkbox"/>		Hudson Yards Construction Project S-2602 Smart Solutions (LOB)	0,00 USD	1.104.325,00 USD	 1,1M USD	 3,38M USD	4	2,73M 838,04K USD
<input checked="" type="checkbox"/>		Neretva Sunny Valley - Windfarm 01-0001	404.375,00 USD	549.390,00 USD	 491,89K USD	 404,38K USD	1	0,00 0,00 0,00 USD
<input type="checkbox"/>		New Facility Construction in Phase 7 S-9090	0,00 USD	61.950,00 USD	 61,95K USD	 1,73M USD	1	1,43M 39,78K USD

Planned Innovations Commercial Project Management



Enhanced integration with portfolio and project management

- Forecasting based on SAP Portfolio and Project Management structures linked to Project System (PS) projects

Risk versions

Enhanced performance in business operations through mass-valuation reporting during forecasting

Enhanced flexibility in planning and forecasting using a fiscal-period breakdown

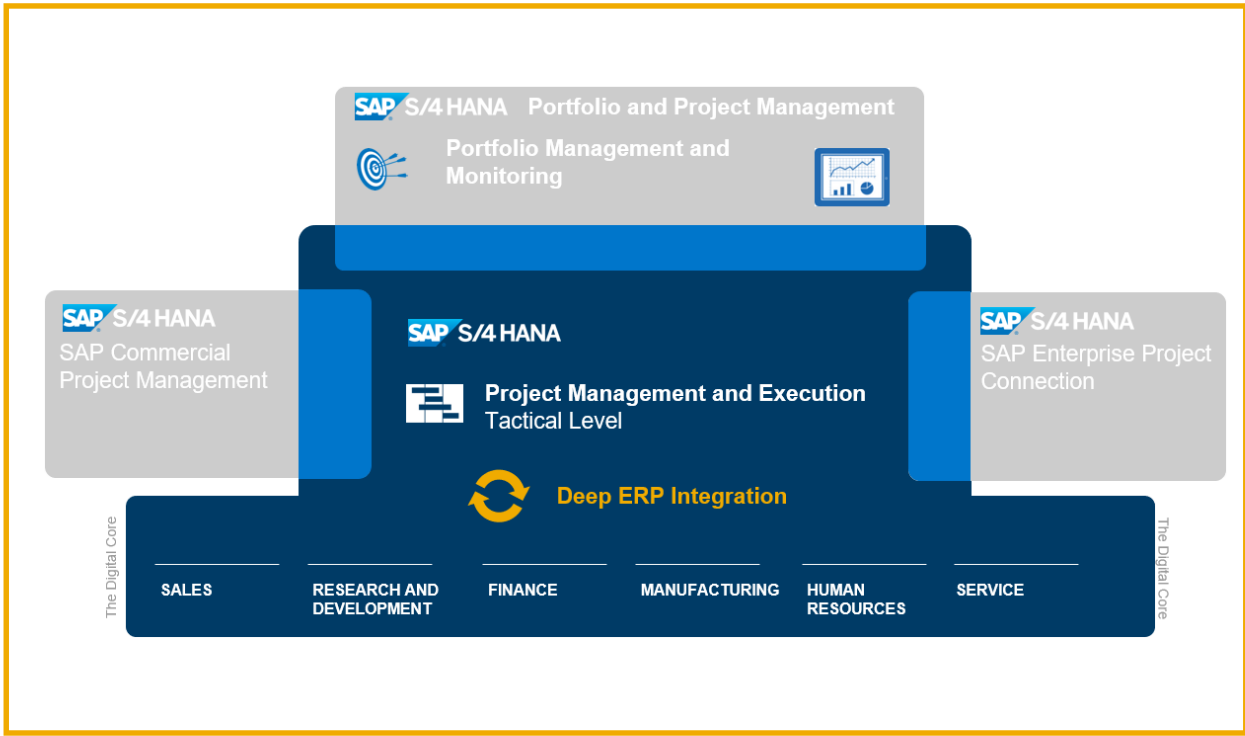
Project Financial Planning				
Financial Plan ObjID	E-9904-2	Forecast on Cost		
Version	1	Forecast on Quantity		
Calendar Year/Month		Forecast on Both		
Forecast Month	09.2014			
Structure Element				
Structure Element	Description	Plan Cost	Actual Cost	Plan Cost EAC
		\$	\$	\$
[-] ERP Implementation P	ERP Implementation Project	575,750.00	60,600.00	282,600.00
ERP Implementation P	ERP Implementation Project			
[+] Project Preparation	Project Preparation	34,500.00	30,600.00	30,600.00
[+] System Architecture	System Architecture Design	15,750.00	23,000.00	23,000.00
[+] Business Blueprint	Business Blueprint	121,750.00	7,000.00	55,000.00
[+] Configuration and De	Configuration and Development	98,750.00		90,000.00
[+] Define Authorization	Define Authorizations	18,000.00		0.00
[+] Data Conversion	Data Conversion	33,000.00		0.00
[+] System Testing	System Testing	76,500.00		0.00
[+] Training	Training	63,000.00		0.00
[+] User Acceptance Test	User Acceptance Testing	42,500.00		0.00
[+] Cutover	Cutover	72,000.00		84,000.00

Outlook

Capital Portfolio and Project Management Hybrid Scenarios

Future Direction

EPPM in SAP S/4HANA AnyPremise



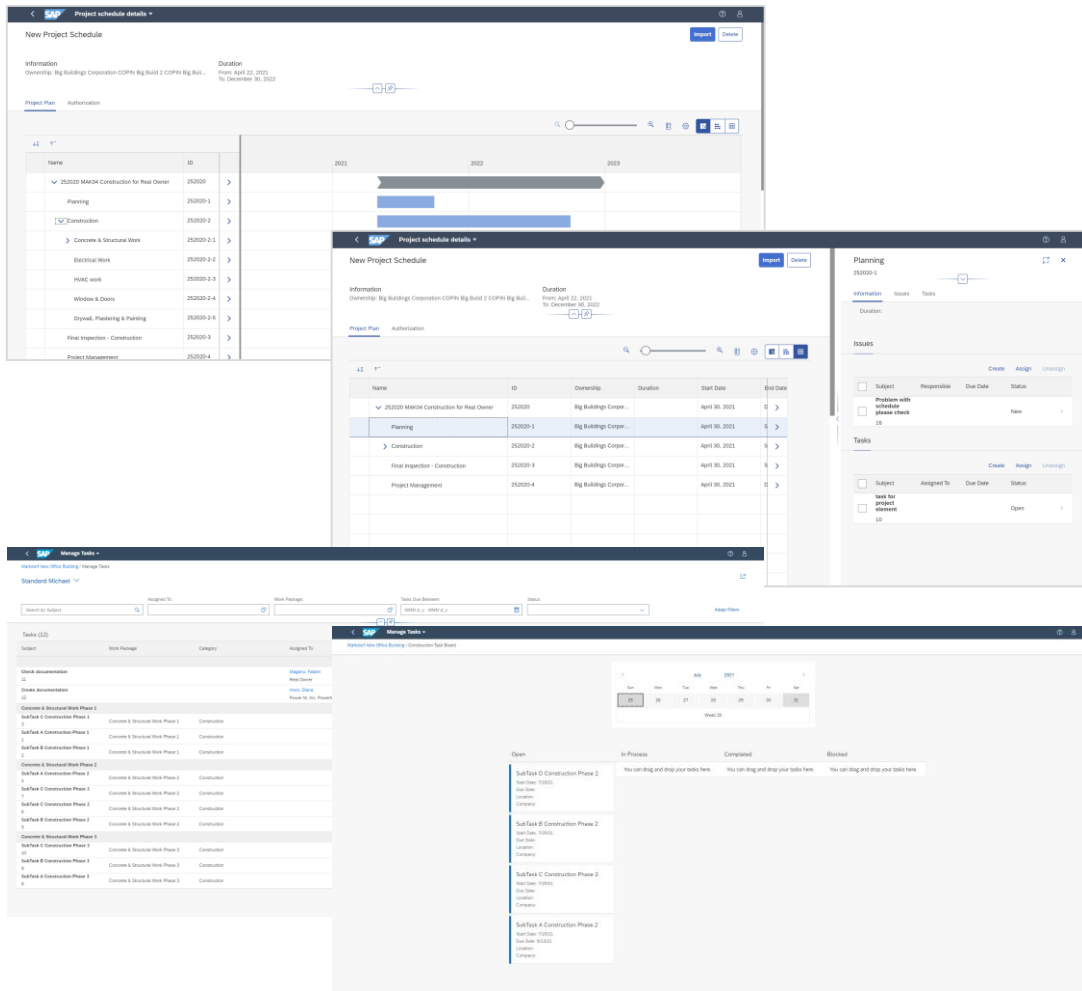
Integrate

- SAP Analytics Cloud
- SAP Project Intelligence Network
- SAP Enterprise Product Design
- SAP Cloud Platform-Based solutions

Enterprise Portfolio and Project Management – Hybrid Scenarios

SAP Project Intelligence Network

Planned



- **Shared Project Plans** - Project Elements in SAP S/4HANA can be shared in Project Intelligence Network for a improved coordination of work between the project partners.
- Detail **Cross Company Task Management** by breaking down project elements into tasks being visible to all project partners to increase visibility into day to day activities.
- Efficiently manage **Cross Company Issue Processes** in a project by visibility to all project partners and assignment to related project elements of SAP S/4 HANA and tasks in Project Intelligence Network.

Summary Roadmap



- **Customer Driven Innovation** by Customer Connection process
- Simplified **user experience**, e.g.
 - Projects Graphics
- Modernized and enhanced **Integration** for EPPM processes, e.g.
 - Project Financial Planning integration into new SAP S/4HANA Financial Planning
 - Better process support for Capex scenarios by brining PPM and CPM closer together
 - Extended central Finance Integration and support of oneMDS
- Enablement of modernized interfaces to support **hybrid scenarios extending process support**, e.g.
 - Project Collaboration
 - Activities Management
 - 3rd Party Project Mgmt Integration

Additional Resources

[EPPM Community on sap.com](#)

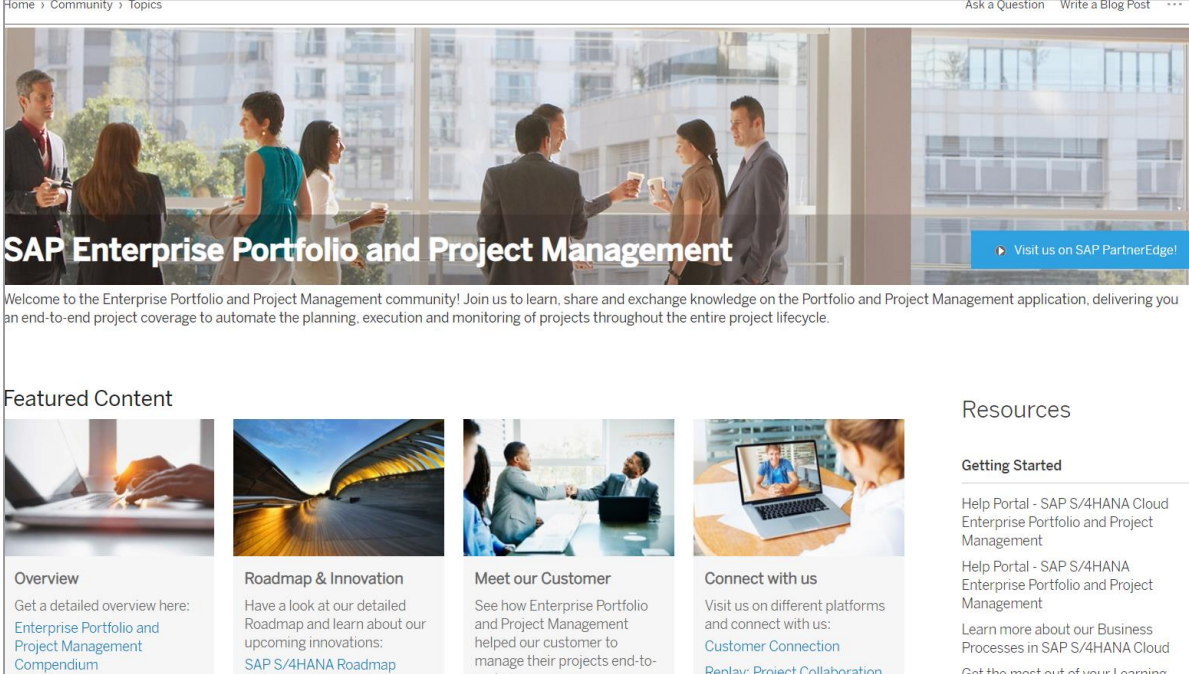
Updated Classroom Trainings and Certifications on S/4

- [S4125 – Business Processes in SAP S/4HANA Portfolio and Project Management](#)
- [PPM Certification based on S/4HANA](#)
- [S4123 - Project Controlling in SAP S/4HANA Project System](#)

Recorded Customer Webinar

- [Strategic Planning of Capital Projects: Drive New Business by Investing in the Right Projects.](#)
Speakers: Renato Zadro (SAP); Rick Paull, Project Portfolio Manager, Indorama (previously with Huntsman)

[Free S/4HANA 1909 Trial including IT PPM best-practice scenario](#)



Home › Community › Topics Ask a Question Write a Blog Post

SAP Enterprise Portfolio and Project Management

Welcome to the Enterprise Portfolio and Project Management community! Join us to learn, share and exchange knowledge on the Portfolio and Project Management application, delivering you an end-to-end project coverage to automate the planning, execution and monitoring of projects throughout the entire project lifecycle.

[Visit us on SAP PartnerEdge!](#)

Featured Content

- Overview**
Get a detailed overview here:
[Enterprise Portfolio and Project Management Compendium](#)
- Roadmap & Innovation**
Have a look at our detailed Roadmap and learn about our upcoming innovations:
[SAP S/4HANA Roadmap](#)
- Meet our Customer**
See how Enterprise Portfolio and Project Management helped our customer to manage their projects end-to-end.
- Connect with us**
Visit us on different platforms and connect with us:
[Customer Connection](#)
[Replay: Project Collaboration](#)

Resources

Getting Started

- [Help Portal - SAP S/4HANA Cloud Enterprise Portfolio and Project Management](#)
- [Help Portal - SAP S/4HANA Enterprise Portfolio and Project Management](#)
- [Learn more about our Business Processes in SAP S/4HANA Cloud](#)
- [Get the most out of your Learning](#)

Thank you.

Contact information:

Andrea Langlotz