



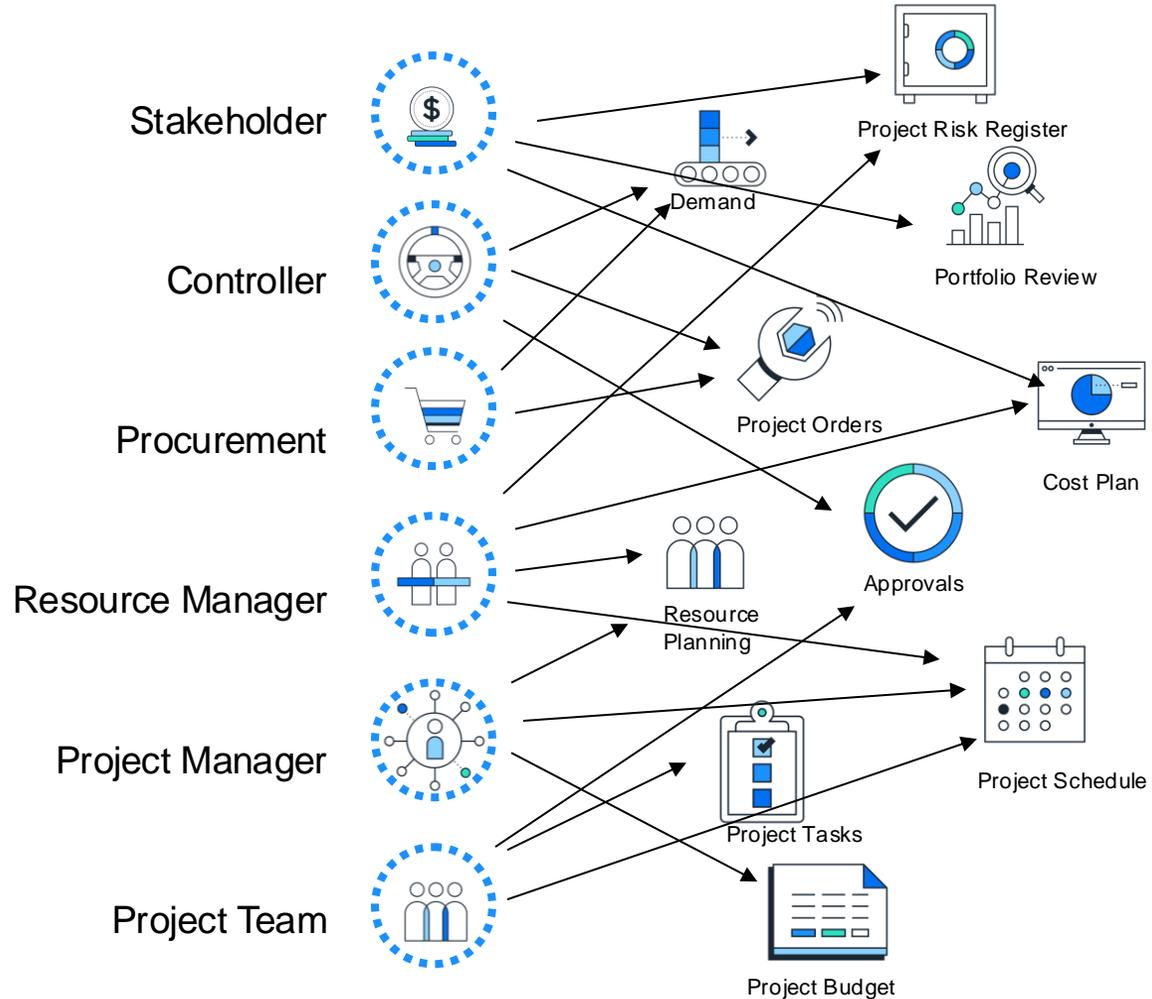
Managing Capital Projects with SAP S/4HANA

February, 2025

Public



Challenges in project organizations



Information distributed across multiple sources

Inconsistent project information causes high manual efforts for project reporting

Outdated information prevents early identification of deviations in project plan

Distributed project data prevents a consolidated view on project & portfolio

Hinders **collaboration** with externals

Inaccurate data leads to wrong investment and procurement decisions

EPPM in S/4HANA Solution Overview

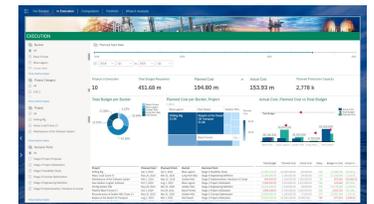
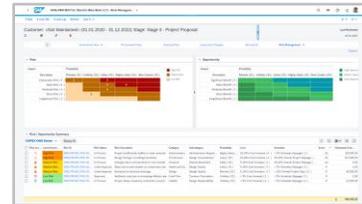
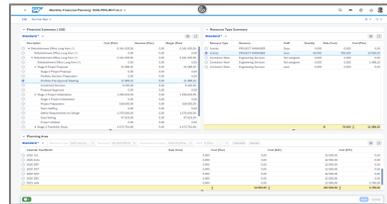
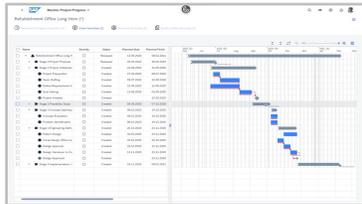
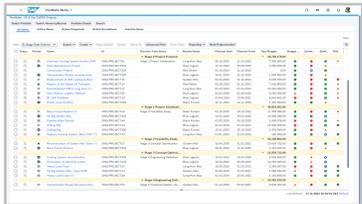
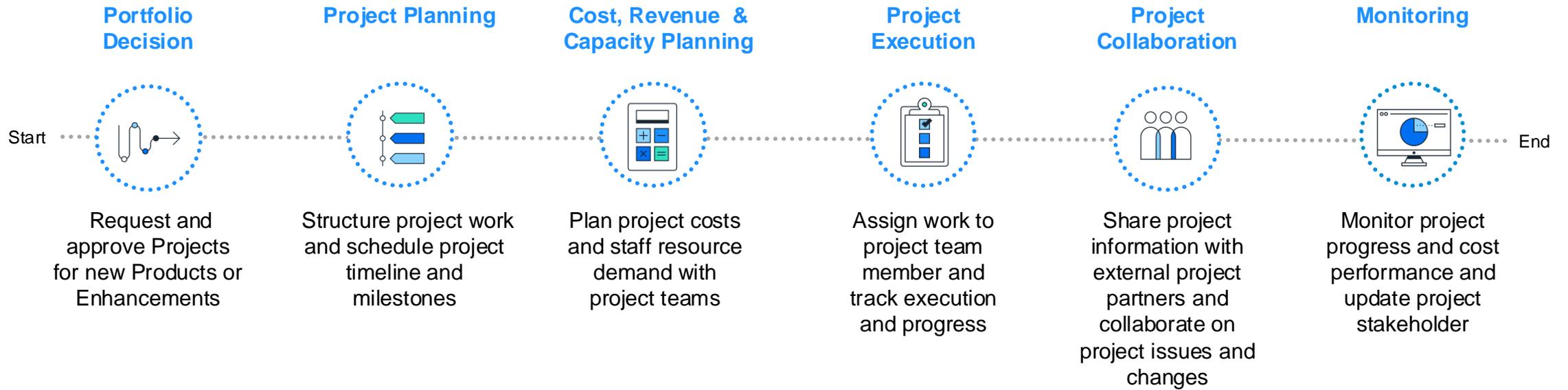
Enterprise Portfolio and Project Management



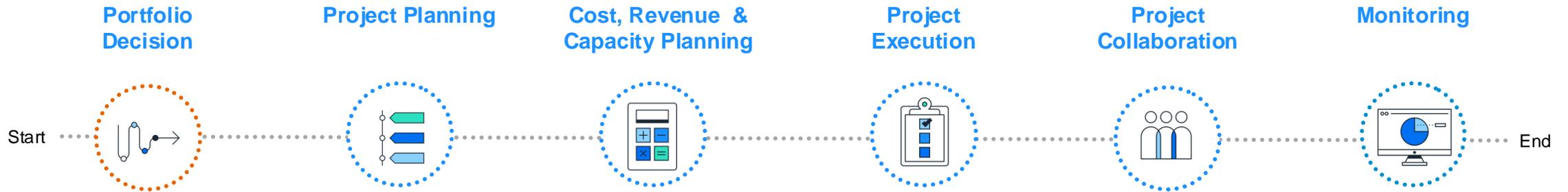
SAP S/4HANA

- Single source of truth
- Central project repository connected to multiple ERPs
- Direct integration with ERP cost records
- Efficient procurement
- Human Resources integration
- S/4HANA real-time project analytics
- Consistent Fiori UX for SAP S/4HANA

Manage asset construction projects



Gain insight into project demands and pipeline



SAP Portfolio Items

Portfolio: Oil & Gas CAPEX Projects

Switch Portfolio | Switch Hierarchy/Bucket | Portfolio Details | Search

All Items | Active Items | Active Proposals | Active Escalations | Inactive Items

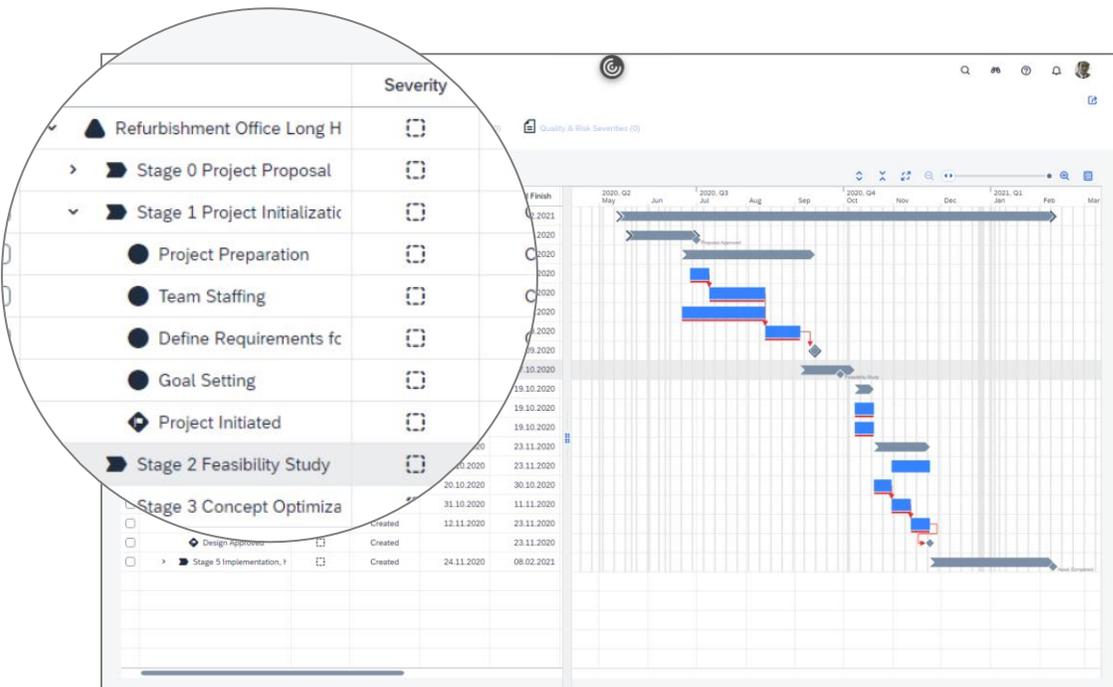
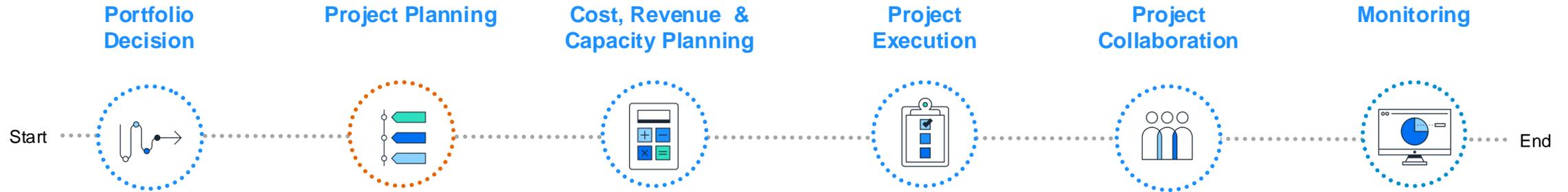
Status	Priority	Name	ID	Decision Point Name	Bucket Name	Year	Total Budget	Budget ...	Sched...	Staffi...	Risk
Summary							30.720.178,00				
		Overhaul Cooling System Section 2A/B	ONG.PROJECT.51	Stage 1 Project Initialization	Long Horn	2022	7.500.000,00	█	●	█	▲
Stage 0 Project Proposal											
		Plant Maintenance Project	ONG.PROJECT.501	Stage 1 Project Initialization	Blue Lagoon	2025	1.050.000,00	█	●	▲	
		Construction Project	ONG.PROJECT.505	Stage 1 Project Initialization	Red Horn	2025	0,00	█	⊗	█	
		Transportation Roads reconstruction	ONG.PROJECT.505	Stage 1 Project Initialization	Blue Lagoon	2025	1.045.900,00	█	●	▲	
		Replacement of X1R cooling Turbine	ONG.PROJECT.15	Stage 1 Project Initialization	Golden Hills	2025	1.045.900,00	█	●	▲	
		Repairs at the Desert Oil Transport	ONG.PROJECT.14	Stage 1 Project Initialization	Red Horn	2025	1.045.900,00	█	●	▲	
		Refurbishment Office Long Horn (*)	ONG.PROJECT.11	Stage 1 Project Initialization	Long Horn	2021	9.039.559,00	█	●	█	●
		New Harbour Logistic Software	ONG.PROJECT.06	Stage 1 Project Initialization	Blue Lagoon	2023	7.230.000,00	█	●	█	▲
		BL LNG Platform	ONG.PROJECT.19	Stage 1 Project Initialization	Blue Lagoon	2023	7.230.000,00	█	●	█	▲
		Roads reconstruction	ONG.PROJECT.502	Stage 1 Project Initialization	Black Forest	2023	7.230.000,00	█	●	█	▲
Stage 1 Project Initialization							10.264.082,00				
		Black Forest Pipeline (*)	ONG.PROJECT.04	Stage 2 Feasibility Study	Black Forest	2024	10.264.082,00	█	●	█	▲
		Oil Rig Golden Hills	ONG.PROJECT.402	Stage 2 Feasibility Study	Blue Lagoon	2024	8.320.000,00	▲	●	█	▲
		Pipeline Black Forrest	ONG.PROJECT.44	Stage 2 Feasibility Study	Black Forest	2024	8.320.000,00	▲	●	█	▲
		Drilling Rig	ONG.PROJECT.10	Stage 2 Feasibility Study	Blue Lagoon	2021	4.043.461,00	●	●	█	▲
		Drilling Rig	ONG.PROJECT.500	Stage 2 Feasibility Study	Black Forest	2021	4.043.461,00	●	●	█	▲
		Replace Cooling System Block 53C (*)	ONG.PROJECT.70	Stage 2 Feasibility Study	Long Horn Bay	2021	1.310.000,00	█	█	█	▲
Stage 2 Feasibility Study							49.803.002,00				
		Reconstruction of Golden Hills Tower (*)	ONG.PROJECT.07	Stage 3 Concept Optimization	Golden Hills	2021	49.803.002,00	█	●	█	▲
		Black Forest Pipeline	ONG.PROJECT.503	Stage 3 Concept Optimization	Blue Lagoon	2021	49.803.002,00	█	●	█	▲
Stage 3 Concept Optimization							21.459.986,00				
		Cooling System reconstruction	ONG.PROJECT.403	Stage 4 Engineering Definition	Blue Lagoon	2022	21.459.986,00	█	●	█	▲
		Renovation of electrical system	ONG.PROJECT.404	Stage 4 Engineering Definition	Blue Lagoon	2022	10.948.000,00	█	█	█	▲
		Heavy Load Truck	ONG.PROJECT.20	Stage 4 Engineering Definition	Long Horn Bay	2020	10.948.000,00	█	█	█	▲
		Oil Rig Golden Hills - Type 216B	ONG.PROJECT.13	Stage 4 Engineering Definition	Golden Hills	2021	23.262.423,00	█	●	█	▲
		Heavy Load Crane (*)	ONG.PROJECT.08	Stage 4 Engineering Definition	Long Horn Bay	2021	23.262.423,00	█	●	█	▲
Stage 4 Engineering Definition							23.262.423,00				
		Transportation Roads Reconstruction	ONG.PROJECT.05	Stage 5 Implementation, Handover	Golden Hills	2020	23.262.423,00	▲	●	█	▲

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Project Proposal Management

- Describe Project Request incl. Benefits and Goals
- Estimate required Financial Budget and Capacity Demand
- Assign Project Governance Template for Stage/Gate process
- Questionnaires for Risk Assessment, Value and Technical Feasibility
- Scoring method to rank and prioritize project investments

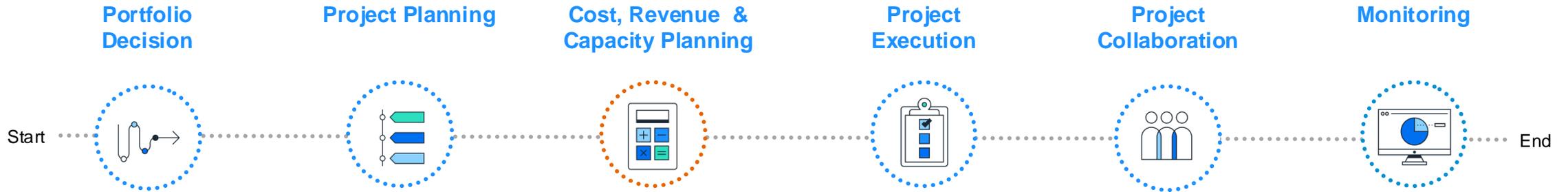
Schedule Project Work and Tasks



Project Planning & Scheduling

- Structure Project Phases and Task, Milestones
- Schedule Project timeline with link to decision gates
- Assign task and deliverables to responsible person
- Simulate project plan versions
- Direct Integration with Accounting and Project Controlling

Plan Projects Costs and Forecasts



SAP Monthly Financial Planning: ONG.PROJECT.11-1

Financial Summary | USD

Description	Cost (Plan)	Revenue (Plan)	Margin (Plan)
Refurbishment Office Long Horn (*)	6.341.935,50	0,00	6.341.935,50
Refurbishment Office Long Horn (*)	0,00	0,00	0,00
Refurbishment Office Long Horn (*)	6.341.935,50	0,00	6.341.935,50
Refurbishment Office Long Horn (*)	0,00	0,00	0,00
Stage 0 Project Proposal	21.088,10	0,00	21.088,10
Stage 0 Project Proposal	0,00	0,00	0,00
Portfolio Decision Preparation	0,00	0,00	0,00
Portfolio Pre-Approval Meeting	11.988,10	0,00	11.988,10
Investment Decision	9.100,00	0,00	9.100,00
Proposal Approved	0,00	0,00	0,00
Stage 1 Project Initialization	1.290.619,05	0,00	1.290.619,05
Stage 1 Project Initialization	0,00	0,00	0,00
Project Preparation	168.000,00	0,00	168.000,00
Team Staffing	0,00	0,00	0,00
Define Requirements for Design	1.075.000,00	0,00	1.075.000,00
Goal Setting	47.619,05	0,00	47.619,05
Project Initiated	0,00	0,00	0,00
Stage 2 Feasibility Study	4.473.761,90	0,00	4.473.761,90
Total	11.988,10	0,00	11.988,10

Resource Type Summary

Resource Type	Resource	Quantity	Rate (Cost)	Cost (Plan)
Activity	PROJECT	0,000	0,000	0,00
Contractor Work	Engineers	60,000	350,000	10.500,00
Contractor Work	Engineers	0,000	0,000	0,00
Contractor Work	Engineers	0,000	0,000	1.488,10
Contractor Work	Engineers	0,000	0,000	0,00

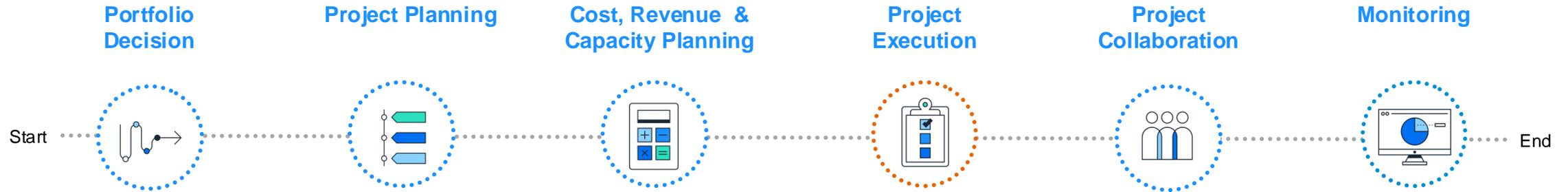
Planning Area

Calendar Year/Month	Rate (Cost)	Cost (Plan)	Cost (EAC)	Cost (ETC)
2020 JUL	0,000	0,00	22.500,00	0,00
2020 AUG	0,000	0,00	22.500,00	0,00
2020 SEP	0,000	0,00	22.500,00	0,00
2020 OCT	0,000	0,00	22.500,00	0,00
2020 NOV	0,000	0,00	22.500,00	0,00
2020 DEC	0,000	0,00	22.500,00	0,00
2021 JAN	0,000	0,00	3.750,00	0,00
Total	10.500,00	292.500,00	3.750,00	3.750,00

Project Cost Planning & Forecasting

- Plan extern. & int costs integrated with Project Structure
- Plan Costs based on Activities, Services and Material Quantities
- Multiple Planning versions and controlled transfer into FI/CO
- Automatic price determination or manual input
- Forecast based on Actuals, EAC, ETC, POC or Output

Manage Project Issues, Risks and Changes during Execution



SAP Interface: ONG.PROJECT.11: Refurbishment Office Long Horn (*) - RL...

Customer: <Not Maintained> (01.01.2020 - 31.12.2022) Stage: Stage 0 - Project Proposal

Navigation: Procurement View, Financial Plan, Issues and Changes, Documents, Risk Management

Risk / Opportunity Summary

CAPEX ONG Demo | Display All

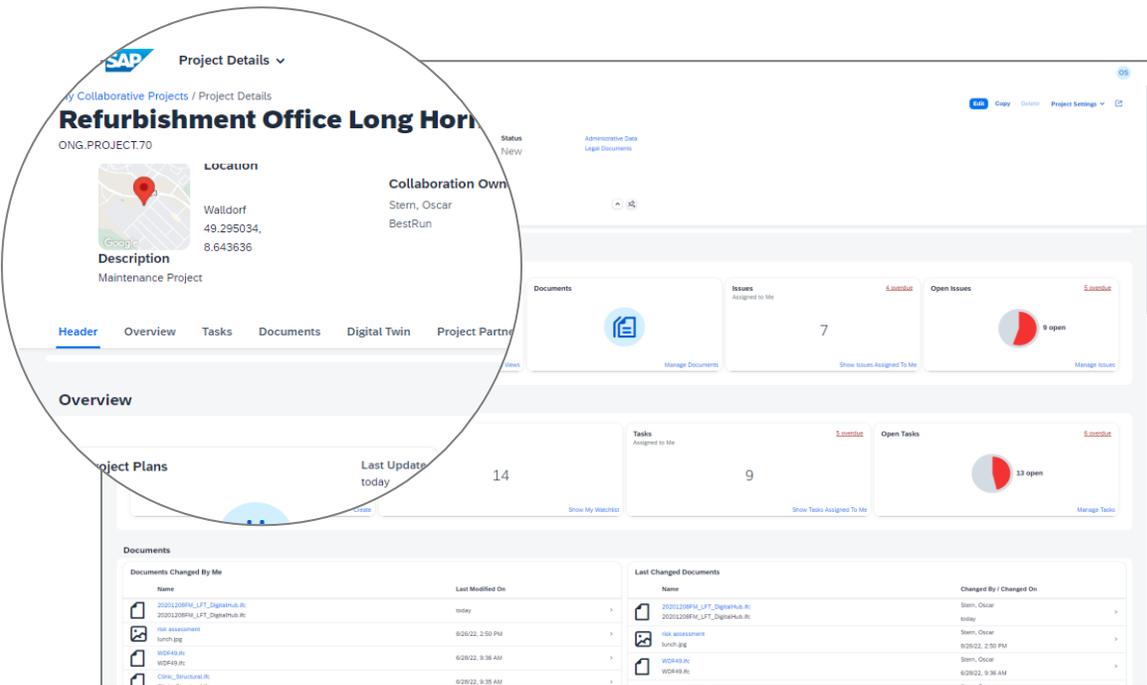
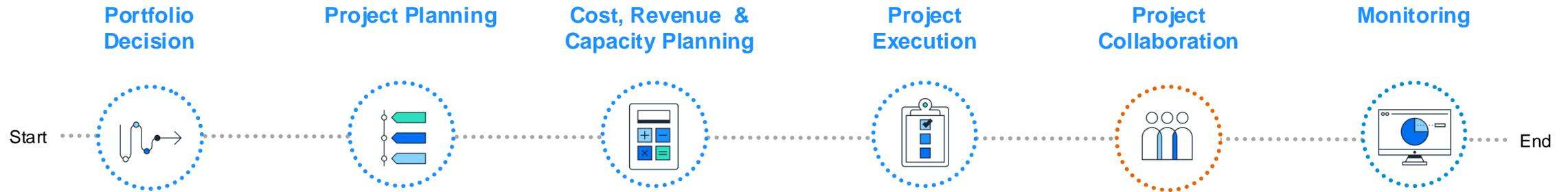
Risk Lev...	Level Descri...	Risk ID	Risk Status
<input type="checkbox"/>	High Risk	ONG.PROJEC-RSK-00...	In Process
<input type="checkbox"/>	High Risk	ONG.PROJEC-RSK-00...	In Process
<input type="checkbox"/>	Medium Risk	ONG.PROJEC-RSK-00...	In Process
<input type="checkbox"/>	Medium Risk	ONG.PROJEC-RSK-00...	Under Approva
<input type="checkbox"/>	Medium Risk	ONG.PROJEC-RSK-00...	Under Approva
<input type="checkbox"/>	Low Risk	ONG.PROJEC-RSK-00...	Approved
<input type="checkbox"/>	Low Risk	ONG.PROJEC-RSK-00...	In Process

Category	Subcategory	Probability	Cost	Schedule	Score	Estimated Cost ...
Administration	Administration Require...	Highly Likely (...	10-20% Cost Increase (4 -)	< 5% Schedule Slippage (2 -)	-16	125,000.00
Construction	Design Completeness	Likely (03)	10-20% Cost Increase (4 -)	10-20% Overall Project Slippage (...	-15	217,000.00
Contract	Dispute Resolution	Likely (03)	5-10% Cost Increase (3 -)	10-20% Overall Project Slippage (...	-12	0.00
Construction site	Health and Sa...	Likely (03)	5-10% Cost Increase (3 -)	< 5% Schedule Slippage (2 -)	-9	0.00
Design	Design Quality	Remote (01)	5-10% Cost Increase (3 -)	> 20% Overall Project Slips (5 -)	-5	45,900.00
Inflation rate	Cash Flow	Unlikely (02)	< 5% Cost Increase (2 -)	< 5% Schedule Slippage (2 -)	-4	0.00
Contractor's execut...	Liability	Unlikely (02)	< 5% Cost Increase (2 -)	< 5% Schedule Slippage (2 -)	-4	12,500.00

Issue, Risk and Change Management

- Document and evaluate Issues and Risks in Projects
- Plan Mitigation Activities and assign to responsible Persons
- Request and approve Changes in Project Cost Plan
- Track Changes for Approved, Pending and Current Cost Plan
- Automatic update of Project Cost Plan with approved changes

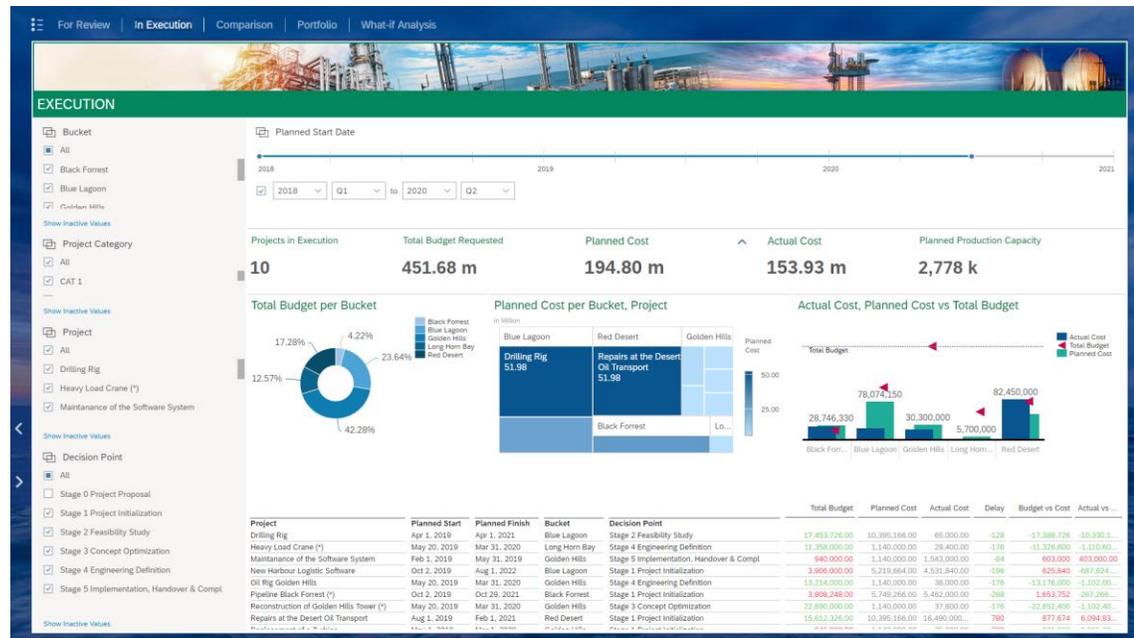
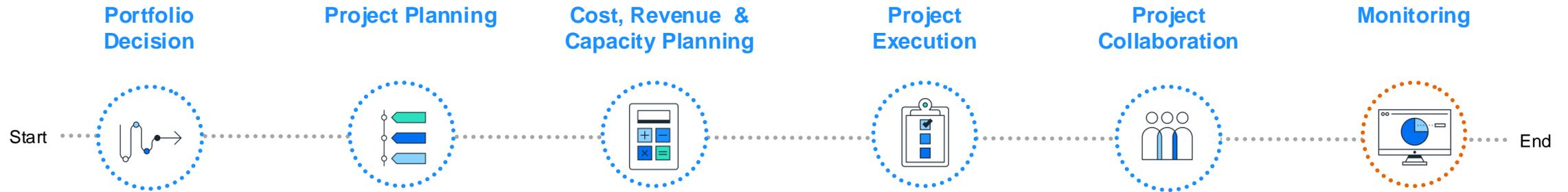
Collaborate with contractors



Project Collaboration

- Share project schedule with external parties
- Controlled access to project timelines, engineering documents and 3D Visualization (BIM)
- Assigning project tasks and tracking task execution supported through workflow and notifications
- Trigger change and issue resolution by contractors and external parties

Analyze Portfolio & Project Performance



Portfolio Analysis

- Review Performance of Project Portfolio
- Real time insights into costs, budget consumption and progress
- Roll Up data to all levels of portfolio hierarchy
- Quickly identify critical projects
- Align Portfolio budget to corporate strategy and goals

Integration to 3rd Party Project Management tools (Primavera P6)



Rizing Carbon for Project Integration – Endorsed App

- Automatic synchronization of project information between SAP Project Systems and Plant Maintenance with Primavera P6
- Rapidly synchronize large transaction volumes between SAP and Primavera P6
- Ensure project, MRP, and financial information is always in synch
- Built on HANA SDI, Carbon provides simplified landscape, open framework and in-memory performance
- Synchronize Transactional Data: Projects, WBS Work Breakdown Structure, Networks & Activities, Work / Service Orders, Operations, Relationships
- Synchronize Master Data: Work Centers, Employee

The diagram illustrates the integration between SAP, Carbon, and ORACLE PRIMAVERA P6. Below the diagram is a screenshot of the Carbon Launchpad interface.

Carbon Launchpad

Home / Execute / Immediate

Select Task | Select Variant | Review & Start

Task Name	Task Description
CompCode_SAPBPS_to_P6DEMO_ref	Copy a single Company Code from SAPBPS to P6DEMO in online/live mode with full trace
CostCenter_SAPBPS_to_P6DEMO_ref	Copy a single Cost Center from SAPBPS to P6DEMO in online/live mode with full trace
Employee_SAPBPS_to_P6DEMO_ref	Copy a single Employee from SAPBPS to P6DEMO in online/live mode with full trace
EquipType_SAPBPS_to_P6DEMO_ref	Copy a single Equipment Type from SAPBPS to P6DEMO in online/live mode with full trace
Equipment_SAPBPS_to_P6DEMO_ref	Copy a single Equipment Master from SAPBPS to P6DEMO in online/live mode with full trace
gui_test	Test GUI controls and other front-end features
Employee_SAPBPS_to_P6DEMO	Copy employees from SAPBPS to P6DEMO in live/online mode
Employee_Staging_to_P6DEMO	Load employees from a staging table to P6DEMO
Equipment_SAPBPS_to_P6DEMO	Copy equipment from SAPBPS to P6DEMO in live/online mode
Equipment_Staging_to_P6DEMO	Load equipment from a staging table to P6DEMO

Dashboard: Maintenance Request

My Home | Maintenance Request | Corrective Maintenance

Shutdown Orders 2014 TA: 262

Maintenance Orders Demo Test: 2,464

Request Maintenance | Monitor Maintenance Requests

Report Malfunction | Manage Malfunction Reports (1,08 x) | Repair Malfunctions My Job List (1)

Resource Scheduling for Maintenance Planners

RIZING
a wipro company

EPPM in SAP S/4HANA – trial

Fully Activated SAP S/4HANA

- Test-Drive PPM in S/4HANA with preconfigured Best Practice for CAPEX Projects & IT PPM
 - Delivered through SAP Cloud Appliance Library (CAL)
 - Hosted on AWS/MS Azure/GCP or customer-owned machines
 - 30 days license included for free
- Access to hosted solution**
- [30-day trial](#)
 - <http://cal.sap.com> for longer-lasting subscriptions
- Pre-requisites**
- Own AWS/Azure/GCP account credentials
 - Valid licenses (waived for 30-day trial period)
 - SAP CAL subscription (waived for 30-day trial period), see [here](#)
-
- Demo Scenarios / Scripts [here](#)

Start your trial of SAP S/4HANA

[Try now](#)

SAP S/4HANA Trial



Get access to your 30-day experience*

- Dedicated system with all-areas admin access
- Simple setup and cost-effective provisioning on hyperscalers
- Full flexibility through the option of additional configuration

[Try now](#)

Follow this [step-by-step guide to start your 30-day trial of SAP S/4HANA](#) >

[View demo guides to jump-start your exploration](#) >

[Read this blog from SAP Community](#) >

*The free trial offer is available for a limited time and subject to applicable terms and conditions. Fees apply for the provisioning and hosting of an SAP S/4HANA trial instance. Additional restrictions may apply.

Please note: Customers that are interested in SAP S/4HANA Cloud, private edition can experience the business functionality of our tailored-to-fit cloud ERP. However, the operational experience differs. Within the trial, you need to provide the infrastructure (e.g. through a cloud infrastructure provider). In a production environment of SAP S/4HANA Cloud, private edition, SAP is responsible for this topic.

Benefits of Integrated Project Management in Large Enterprises

SAP's solutions for enterprise project and portfolio management enable...



99%

faster time to project
financial reporting



30%

lower project management
costs



30%

shorter lead for
investment decisions



Improve

resource efficiency

“We reduced the lead time for investment decisions by 30%, giving us more time for actual work on projects.” Marcus Paulus, Head of PMO, Wien Energie GmbH

Thank you.

