



Collaboration Portal

“The Journey”

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VOLVO

Agenda

01 Background

02 About

03 Next steps

04 Demo

05 Neptune outlook

2021: Why we needed to change

Business

- Diverse applications, separate logins required for each system.
- Key processes run on offline Microsoft templates and emails.
- Limited supplier collaboration, duplication of data and low transparency.
- Extensive user training needed.

IT

- Scattered application landscape, many outdated solutions.
- Non-responsive applications.
- Multiple programming languages require specialized developers.
- Constantly growing IT development needs.
- Long development lead times.

2021: Building the foundation

From application to scalable platform

We transformed our supplier management application into a scalable, microservices-based platform on Microsoft Azure, accelerated by Neptune DXP Low-code capabilities.

The result: the Collaboration Portal

Collaboration Portal

Single-entry point uniform UX, role-based, Azure AD-authenticated access for internal and external users globally, available 24/7.

Simple and intuitive responsive UX designed for fast adoption and minimal training.

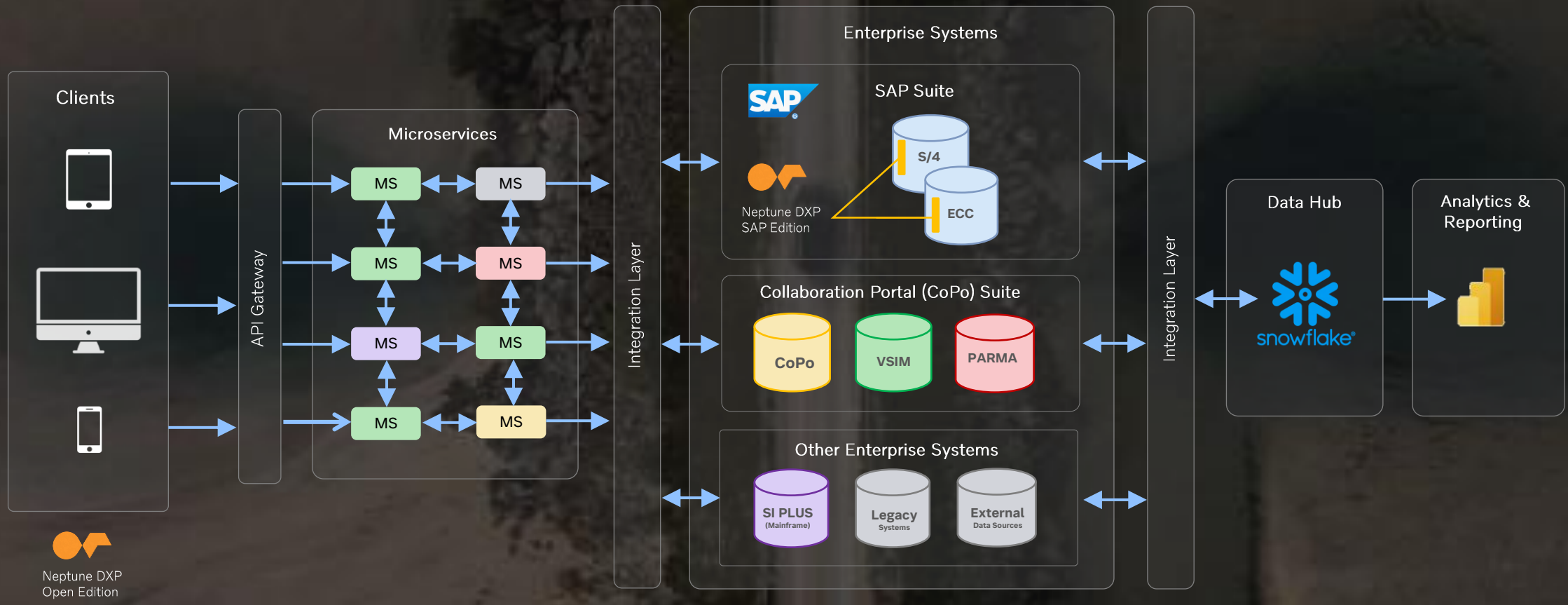
Custom-made bringing competitive edge, seamless integration with current digital ecosystem like Legacy, SAP ERP, Snowflake and external sources.

Modern & scalable microservices architecture on Azure Services: one mobile-ready platform that scales with demand.

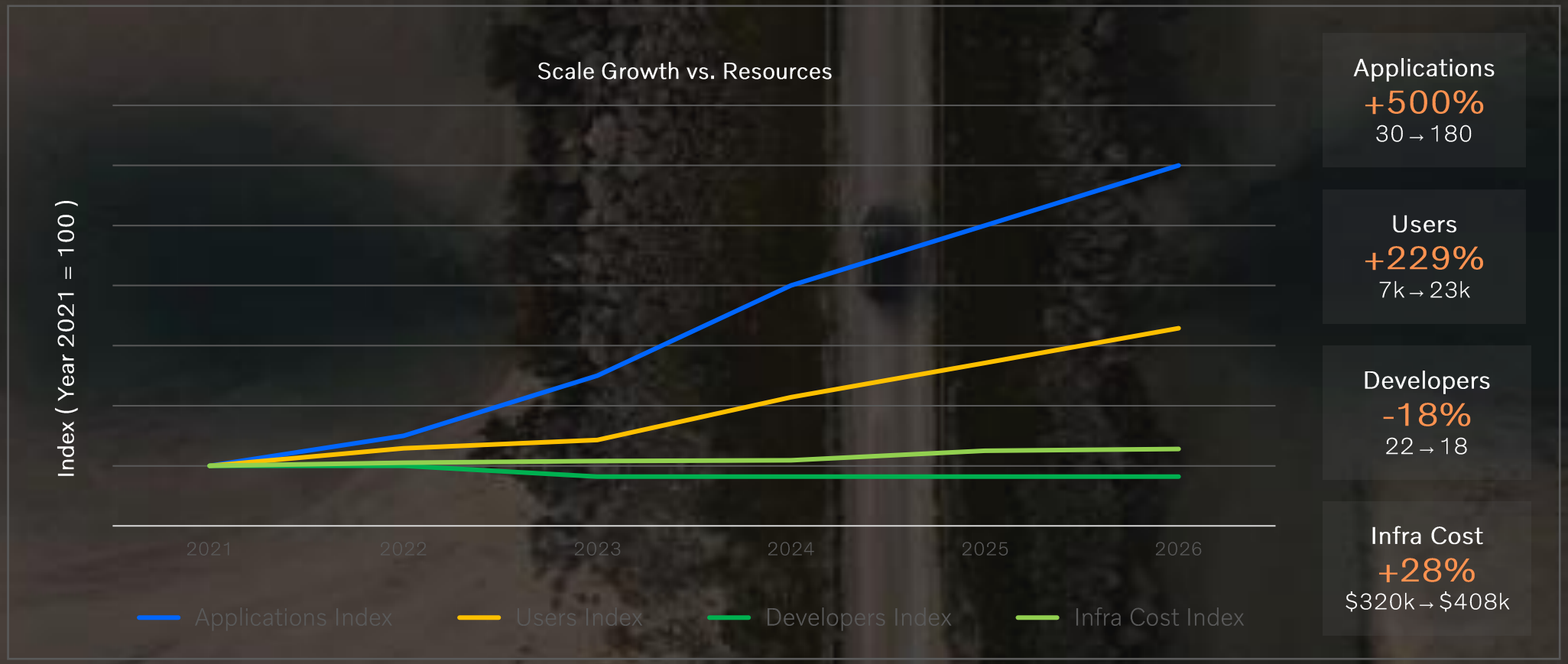
Fast & agile low-code development with Neptune DXP accelerates delivery from ideation to release.

Supplier Collaboration digital collaboration and integrated workflows connecting suppliers and internal teams for faster, more transparent and efficient collaboration.

Architectural principles



Scale Growth 2021 - 2026



Applications
+500%
30 → 180

Users
+229%
7k → 23k

Developers
-18%
22 → 18

Infra Cost
+28%
$320k → $408k

Fact sheet

Availability
Globally 24/7

Number of apps
180+

Active users supplier / internal
16 000 / 7 000

Active user sessions
1 100 – 1 500

Confidentiality levels
Public, Guest, Confidential and Secret

Primary user organisations
EMT, Suppliers, Procurement, Finance, Logistics, Engineering, Manufacturing and Compliance & Ethics.

Agile Scrum Team Resources
0.5 Team Manager, 2 Product Managers and 18 Developers (offshore)

Legacy system decommissions
5 Performed
7 In plan 2027

Integrations
28 Internal
8 External

Licenses
- Neptune Software
- Handsontables

Main capabilities

General 5
Launch pad, manage news, guest portal, supplier user Admin, user admin, survey template manager, Partner Folder

Sourcing & Ordering 16
Supplier and fastener intake, SI4U pricing, sourcing board, agreements, buyer assignment, requisitions, Product Change Request, Manage Agreements

Manage Cost Reduction 9
Cost reduction planning, claims, indirect spend, EMT affordability, OBL Cost trackers, LPP, Negotiation tool, Inflight

Supplier Relationship Mgmt. 6
Supplier segmentation, commodity business plans, supplier parent strategy, assessments

Sustainability, C&E, 10
Manage escalation, risk tracker, financial risk, partner screening, risk indexes, CO2 assessment, compliance surveys, VSQ, SAQ, and EUDR, supply chain mapping

Master Views (MDM) 7
Supplier site and organization admin, commodity code and supplier master lists, category teams, DoA

Requests & Sharing 11
Deviation, SRICA and capacity requests; partner profiles, contacts, purchase orders, file sharing, supplier warranty data, customs data

Packaging 5
Production and Aftermarket packaging instructions, packaging catalogue, type-bound packaging

Quality & Certification 20
Assessments and awards, certificates and homologation, PPAP/APQP, capacity, 8D, deviation reports, supplier performance, vendor tooling

Integrations overview

Internal · Inbound 27

SAP ECC	SAP S/4	SAP MM	PARMA
SI PLUS	NU10	VIR	CM4D
Svish	CMP	CRAM	MAS
CHIMAS	Newcast	PLUS	PULS
IMDS *	Prins (TCPLM)	KDP	STC
FLS	Hercules	Maestro	MIC
APIM Api's	Snowflake	IDM/ EntraID	

External · inbound 7

NQC	VINE	RBA	Moody's
CMRT	Maplecroft	Dow Jones	

Collaboration Portal

Internal · Outbound 12

SAP ECC	SAP S/4	SAP MM	SAP MDG
PARMA	SI PLUS	IMDS *	FLS
Maestro	Snowflake	APIM Api's	IDM/ EntraID

External · Outbound 3

Polestar	Dow Jones	Moody's

Key learnings

- When migrating legacy, think new and improve.
- Low code requires bit of mindset change.
- Provide clear design guidelines, to ensure uniformity.
- Transformation of legacy to be prioritized.

Next steps

- Increased focus on SAP ECC & S/4 connectivity for Invoice status, payment terms, partner master data and bank information.
- SAP S/4 Procurement QTM user access handling
- Neptune AI Agent “NAIA” implementation.
- Agentic applications.

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Neptune DXP Outlook

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Neptune

Neptune Platform Overview

SAP CORE

ECC & S/4HANA

Standard Objects
FI, CO, MM, SD, HR,…

Custom (Z) Objects
Custom tables, structures, transactions, reports

API's & Interfaces
BAPI's, RFC, Odata, Function Modules

Authorization & Roles
SAP Security Model

Secure Access to all SAP Objects

Neptune DXP Platform

SAP Edition

Native SAP Runtime
Runs inside SAP via ICF

API Factory
Expose SAP Objects as secure API's

SAP Roles & Security
Leverages SAP Authorizations

SAP Transport Lifecycle
Develop, test & transport in SAP

Seamless Connection

Open Edition

Node.js Runtime
High Performance & Scalable

API Designer
Design & Orchestrate API's

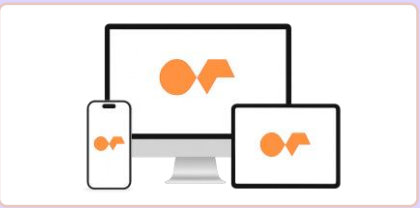
Script Editor
Business Logic & Automation

Workflow Engine
Process Orchestration & Rules

Operational Databases
SQL Server & Postgress

Connectors
OData, REST, SOAP,Databases, Cloud Services

Experience & Integration



Neptune Launchpad

Unified, role-based experience

Web – Mobile - Desktop

Online & Offline

Apps, AI Agents, Workflows & Integrations

LoB Applications, Approval Workflows, Analytics & Dashboards and External Integrations

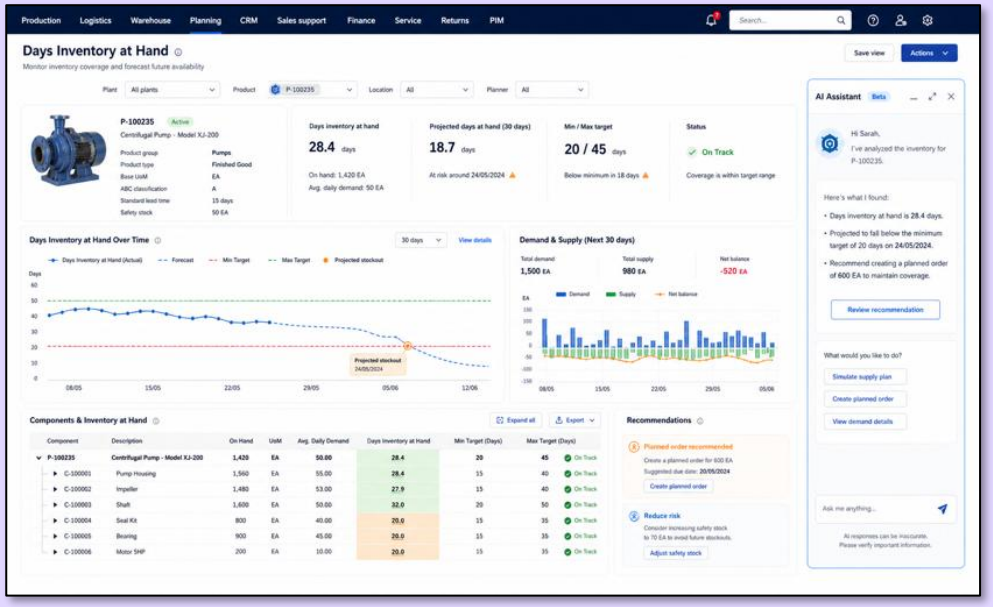
Direct Access to SAP - Open Integration to Everything Else

Goverend. Secure. Scalable. Future Ready.

Embedded AI Capabilities: NAIA 3.0

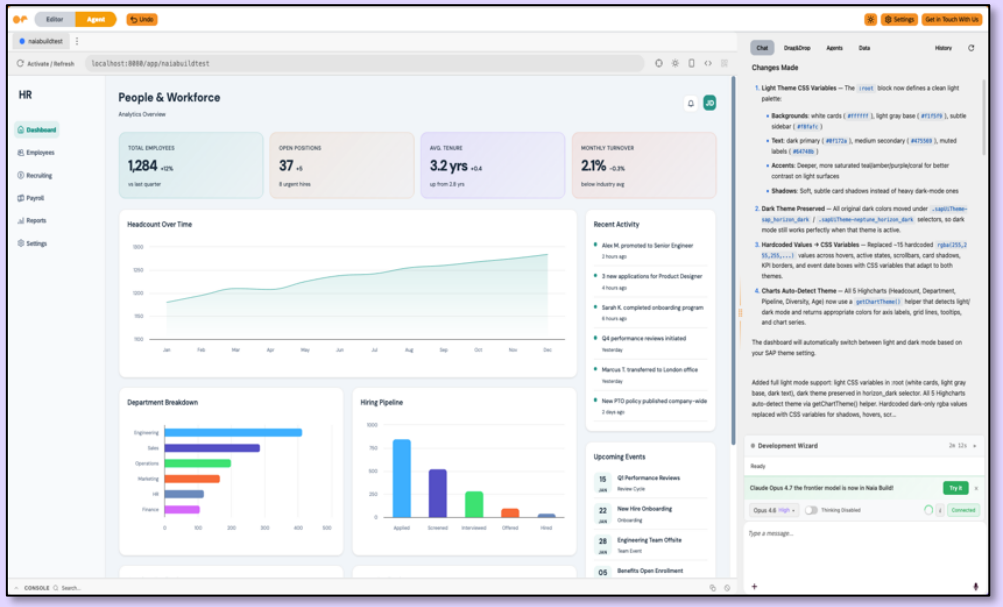
AI for Business

Enables business users to interact with Business data and execute real workflows through conversational AI, while giving IT full governance and auditability over every action.



AI for Developers

Enables development teams to build and deploy production-ready, governed applications in a fraction of the time, using natural language prompts within their existing Enterprise.



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