Science For A Better Life

Setup and Operation of a company-wide mobile platform in a global environment

TA Cook SAP Mobile Applications for Asset Management, Amsterdam

26.10.2017 / Daniel Berg & Gregor Bender (Evora IT Solutions) / 1.0

Agenda

- Company presentation

- Why mobile maintenance?

- Which solutions are we using?

- How does the application landscape look like?

- How do the business units use mobile technologies?

- Which potentials and effort drivers have been identified?

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Our Business Areas

Pharmaceuticals

- Prescription drugs

Consumer Health

- Over-the-counter medicines, dietary supplements, dermatology products, foot care and sunscreen

Crop Science

- Innovative crop protection and seeds

- Animal Health

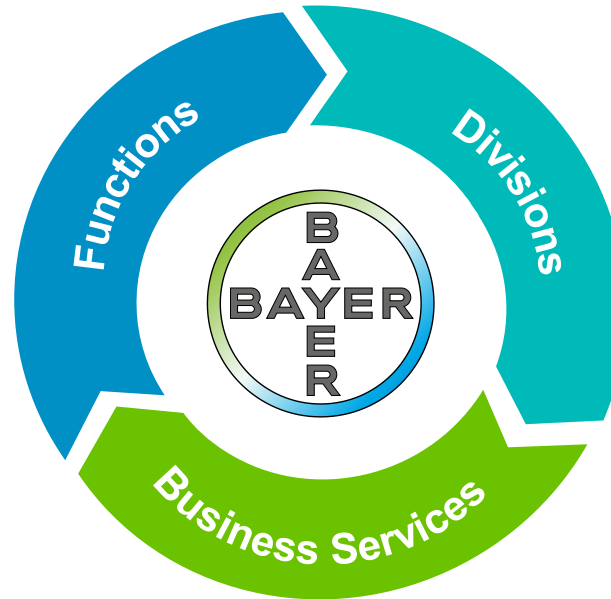# Business Services
The Global In-house Competence Center

FUNCTIONS

such as Accounting, Controlling, HR and Procurement

DIVISIONS

Pharmaceuticals, Consumer Health, Crop Science incl. Animal Health

BUSINESS SERVICES

is the global in-house competence center for:

- Functional leadership, business partnering and IT processes
- Development and implementation of business processes

- Business Services supports Bayer's global business processes through innovative services and high-performance operations that match the needs of customers and employees.
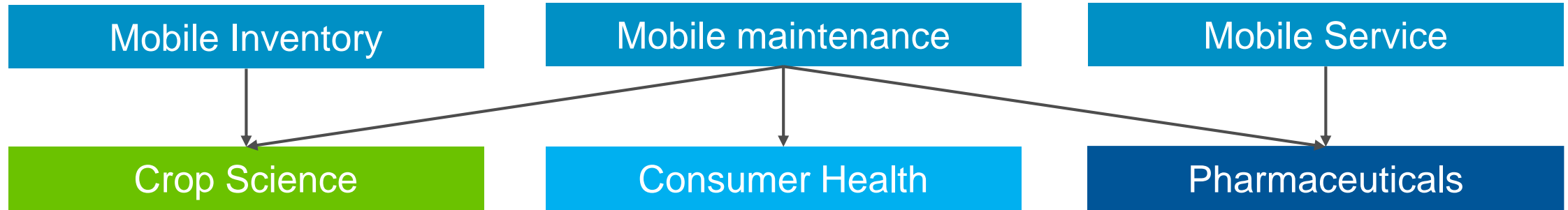
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Why mobile maintenance?

Mobile Inventory	Mobile maintenance	Mobile Service

Crop Science	Consumer Health	Pharmaceuticals

- Efficiency in operations
- Efficient use of resources
- Compliance: data integrity
- System acceptance & usability

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Portfolio SAP Mobile platform and SAP use

Used solutions at Bayer

Preconfigured applications

+ Standard components

SAP Work Manager	SAP CRM Service Manager	SAP Inventory Manager	SAP Rounds Manager

Van Stock | Meter Ops. | GIS + VE | ERP CS

Middleware

SAP Mobile Plattform

SAP

Mobile Secure

SAP Mobile Documents

Back-end

SAP ERP

SAP S/4

3rd Party

SAP Mobile applications and SAP Mobile platform
technical architecture of the solution and development environment

SAP Mobile Platform (SMP) SDK

Test Environment (ATE)

Editor IDE

Administration

Work Manager und Inventory Manager Clients

iOS

SAP Business Suite

SAP Mobile Platform (SMP)

Internet

Mobile Add-on
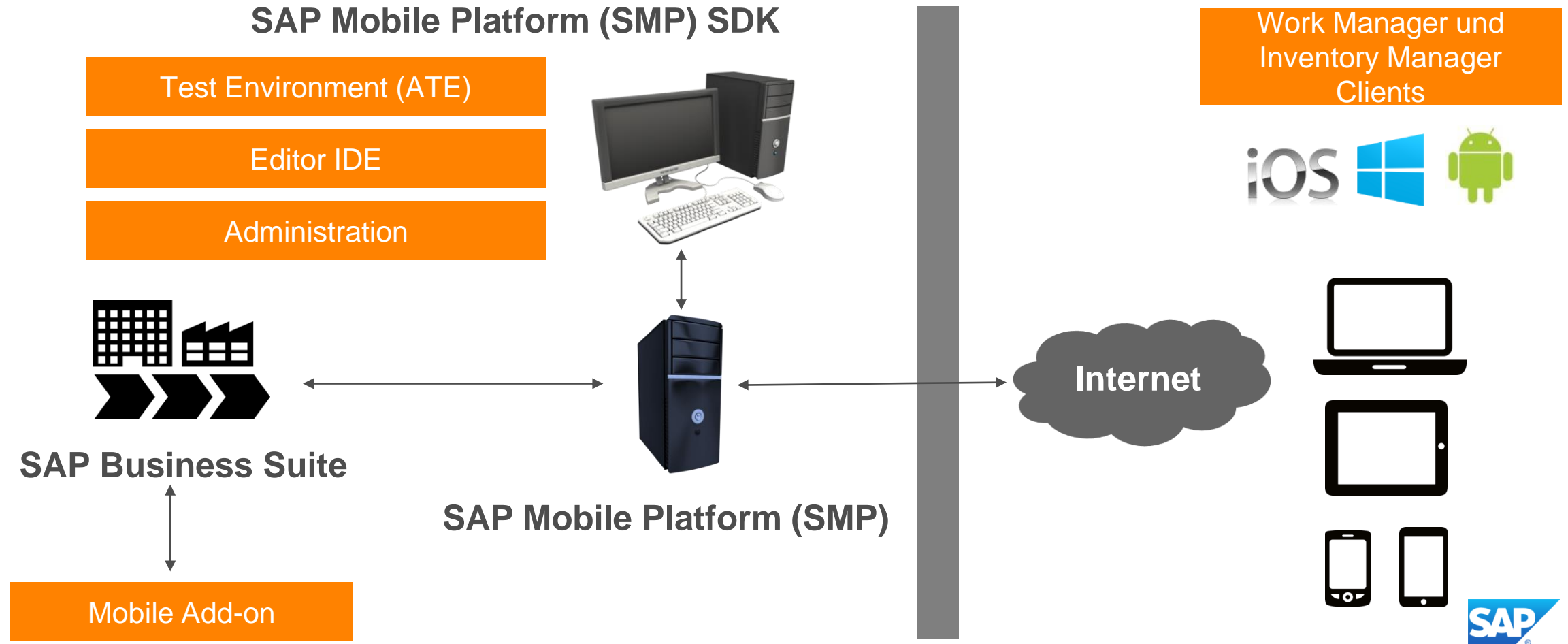
Development environment of SAP Work Managers

Cross-platform development with graphical surface

WYSIWYG presentation

Object model Application

Drag and Drop visual components

Object dependencies

Data Connection Studio Trash Bin Problem/Warnings Monitor
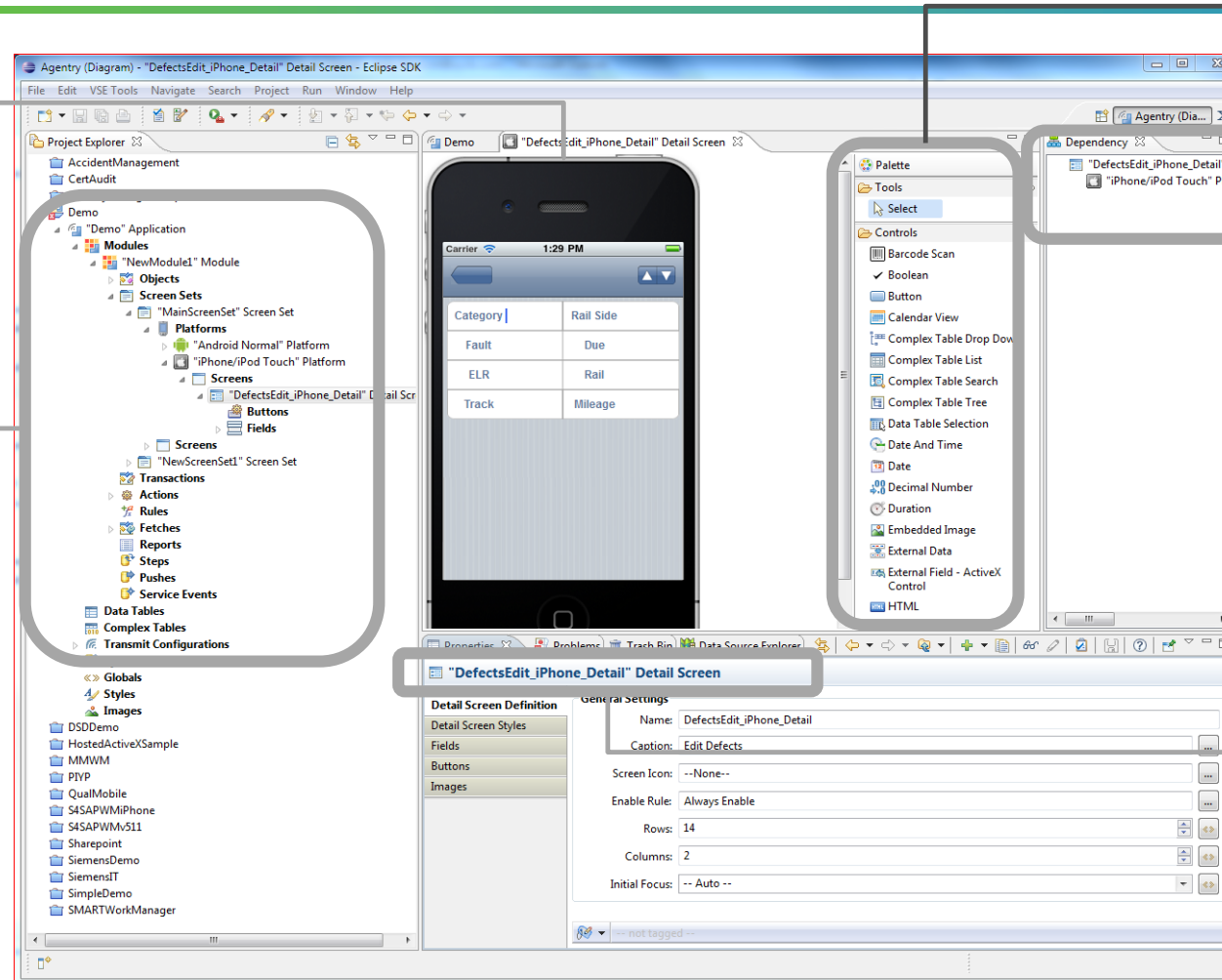
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Application environment
System architecture and release status

Preconfigured applications

+ Standard components

SAP Work Manager	SAP CRM Service Manager	SAP Inventory Manager	SAP Rounds Manager

Van Stock | Meter Ops. | GIS + VE | ERP CS

Middleware

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3rd Party

Application environment
System architecture and release status
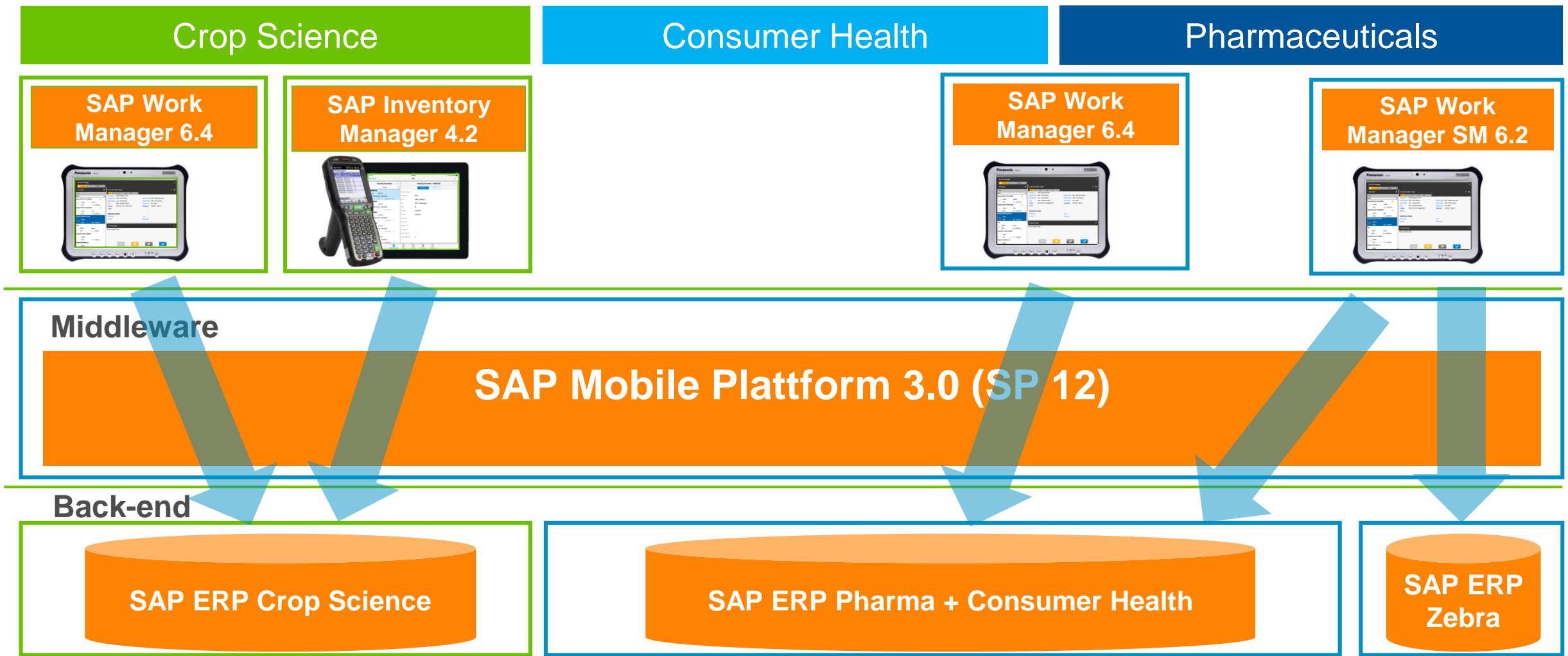
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Global use of four applications

6 languages

>20 locations in Scope

>100 user worldwide
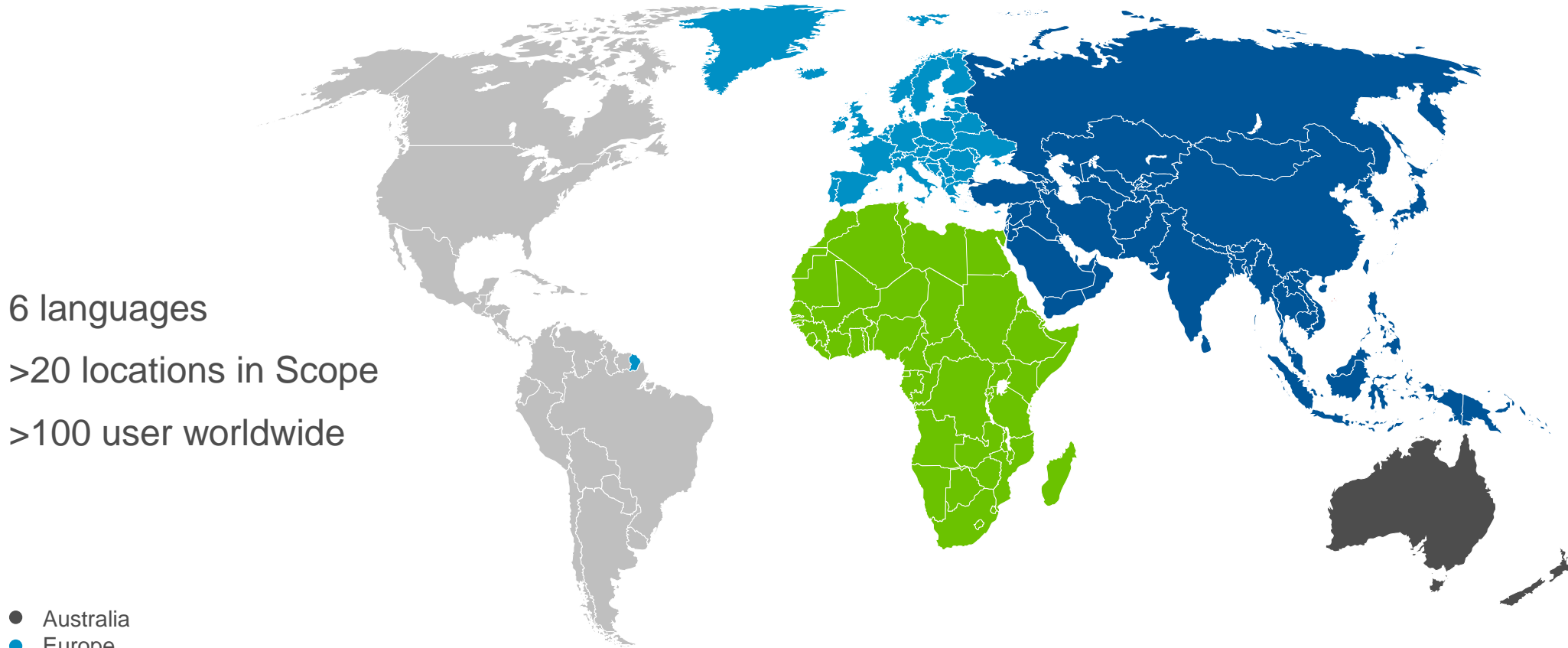
- Australia
- Europe
- Africa
- Asia
- America

SAP Work Manager @ Crop Science

Key Facts:

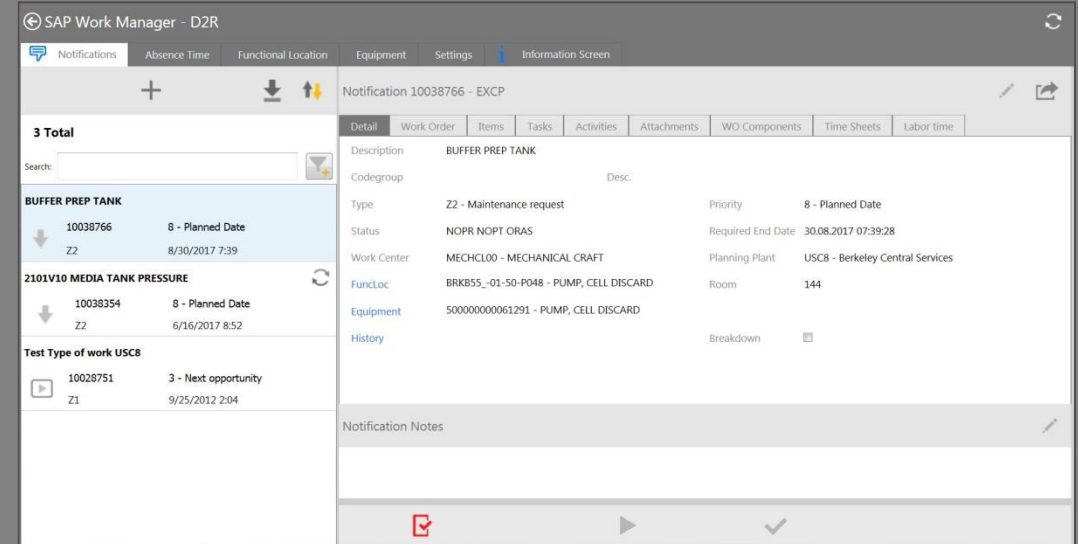|	
Project name:	Mobile Maintenance @ CS
Business area:	Preventive & reactive maint.
Number of users	~75
Language:	DE, EN, FR, ES, PT, CN (6)
Backend Module:	SAP PM
Status:	Live
GoLive:	06/2015
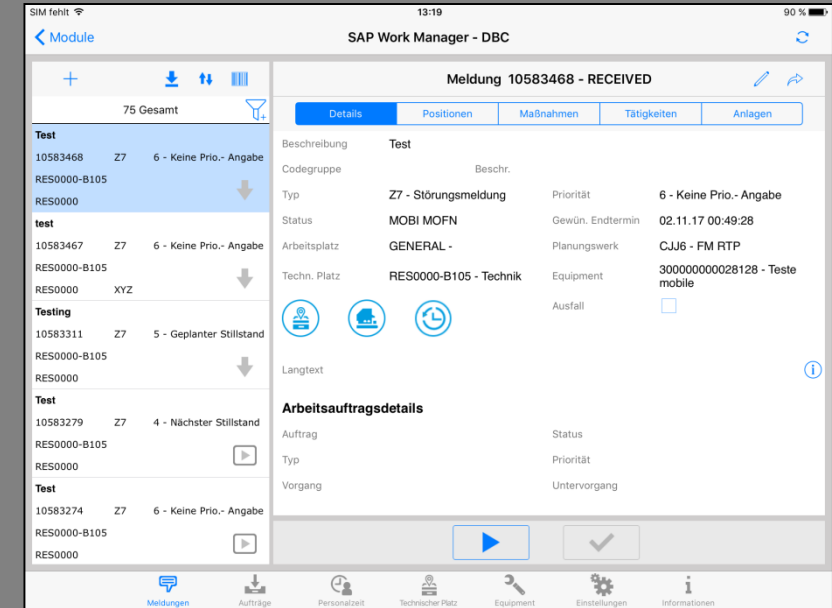
Solution brief of the Crop Science-App: The solutions covers almost all processes in the field of preventive and reactive maintenance, incl. registration of plant states.

SAP Work Manager @ Pharma & Consumer Health

Key Facts:

Project name:	Mobile Maintenance
Business area:	Preventive & reactive maint.
Number of users	50
Language:	DE, EN (2)
Backend Module:	SAP PM
Status:	Live
GoLive:	11/2017

Solution brief of the Pharma-App: The solutions covers almost all processes in the field of GMP-validated preventive and reactive maintenance, incl. registration of plant states.

SAP Inventory Manager @ Crop Science

Key Facts:

Project name: Mobile Maintenance @ CS

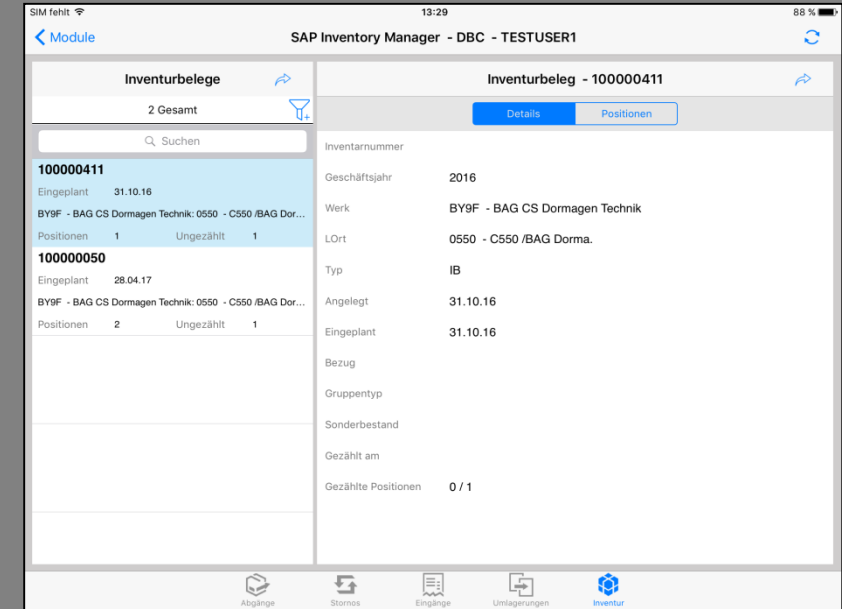Business area: MRO Material Management

Number of users: ~30

Language: DE, EN, FR, PT, ES, CN (6)

Backend Module: SAP PM/MM

Status: Live

GoLive: 12/2015

Solution brief of the Crop Science-App: The solution covers all processes in the field of mobile warehouse management of technical materials, especially with focus on mobile inventory.

SAP Work Manager Service Management @ Pharma

Key Facts:

Project name:	Mobile Service Management 2.0
Business area:	Service of injection devices
Number of users:	30
Language:	DE, EN (2)
Backend module:	SAP PM (Custom)
Status:	Live
GoLive:	11/2016
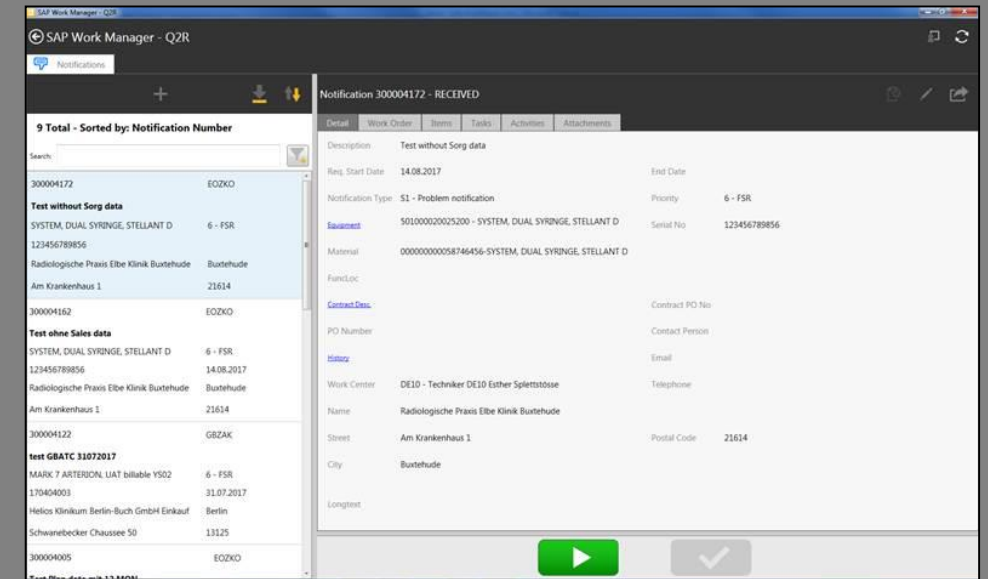
Solution brief of the Pharma-App: The solution in the service management of pharmaceuticals – radiology covers all processes in the field customer service division medical devices, incl. creation of so-called „Field Service Report" which the customer can directly sign-off.

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3 years mobility in asset management...

... what have we learned?

Potentials

- Mobile processes provide the chance of standardization

- You can gain a wider SAP-user base

- More data to optimize maintenance within the organization

Expense drivers

- High amount of custom development in the backend

- Localization of applications

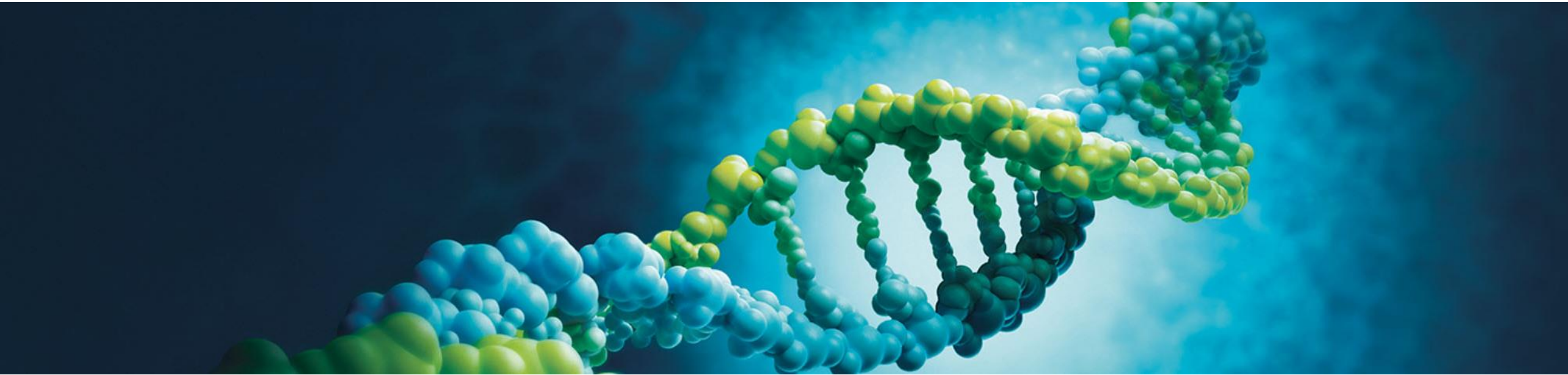- Release upgrades of applications

- Offline data storage

Quo vadis…?

- Agentry Cloud Edition
  → Prove of Concept is ongoing

- Asset Manager
  → Evaluation after "Feature parity" with Work Manager planned

- Influence of FIORI / UI5 apps?
  → Prove of Concept runs

- Bayer's collaboration with SAP in CEI-projects
  → early identification and use of market trends

Thank you!