



Intelligent Enterprise: SAP S/4HANA 1709 Migration and Digital Transformation at VINCI Energies

Dominique Tessaro, CIO, VINCI Energies
Florian Cazeres, SAP Technology Manager, VINCI Energies

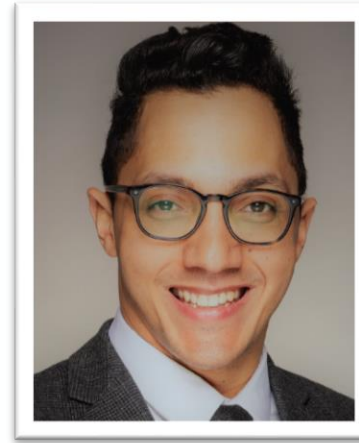
Session ID # 83573

About the Speakers



Dominique TESSARO

- CIO
- Started as an “ABAPER”
- Black Belt in Kendo



Florian CAZERES

- SAP Technology Manager
- Led the S/4HANA Migration and other Digital Transformation projects
- Avid Salsa Dancer
- Fascinated about the History of the US presidency

Key Outcomes/Objectives

1. Explain our S/4HANA Journey
2. Share our Digital Transformation insights
3. Answer question from our peers

Agenda

- Overview of our S/4HANA Project
- Intelligent Enterprise : Road ahead
- Benefits for our users
- Questions & Answers

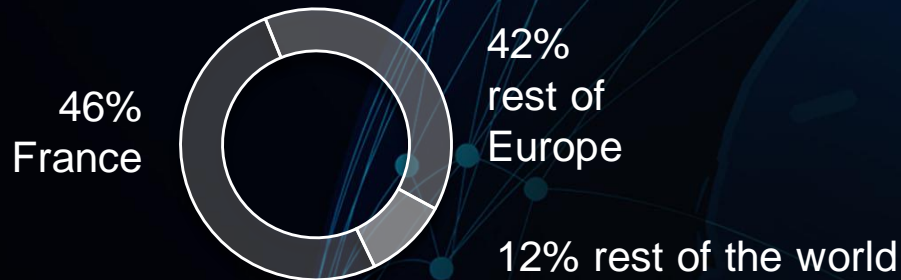
VINCI ENERGIES KEY FIGURES

1,800
Business units

77,500
employees in 2018

STRONG EXTERNAL GROWTH
: 34 acquisitions, 1.6 B€ in 2017

REVENUE DISTRIBUTION



€12.6 bn
Revenue in 2018

53
countries

ACCELERATOR OF ENERGY TRANSITION AND DIGITAL TRANSFORMATION

Industry



ACTEMIUM

ICT



axians

Infrastructures



OMEXOM
POWER & GRID

citeos

Building
Solutions



VINCI
FACILITIES

OUR CORE MODEL IN AUGUST RIGHT AFTER S/4 MIGRATION

11 Countries



> 1,5 M Vend. Invoices / Year
> 1 M Cust. Invoices / Year

1 Single SAP Client Core Model

FI / CO / PS / HR time & payroll / SD / MM
/ CS / PP / PM

11 FIORI Apps / Enterprise Portal



4,500,000
lines of code

€ 9.5 bn revenue
Managed on SAP



26,000 Users



600 Companies

OUR CURRENT CORE MODEL – MAY 2019

14 Countries



> 1,5 M Vend. Invoices / Year
> 1 M Cust. Invoices / Year

1 Single SAP Client Core Model

FI / CO / PS / HR time & payroll / SD / MM
/ CS / PP / PM

20 FIORI Apps / Enterprise Portal



4,500,000
lines of code

€ 10 bn revenue
Managed on SAP



32,000 Users



700 Companies

À propos de SAP SE / SAP France News / SAP S/4HANA

VINCI Energies renforce sa capacité d'innovation en migration

décembre



ERP : mission accomplie pour la migration de VINCI Energies sur S/4HANA

Rénaud Boulestin, 18 décembre 2018, 13:23

FEATURES FROM THE WEB

VINCI ENERGIES HAS BECOME MORE AGILE BY ADOPTING S / 4HANA (SAP)



PUBLIC



How Is an Infrastructure Innovator Using Intelligent Technology to

VINCI Energies Becomes "Future Ready" with 10-Month Program to Innovate with SAP S/4HANA

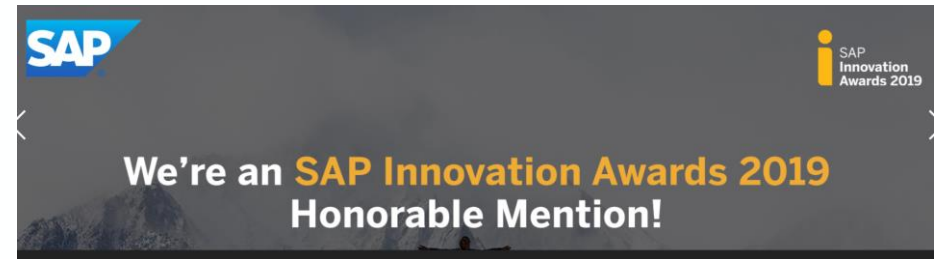
by Lauren Bonneau, Senior Editor, SAPinsider

February 26, 2019

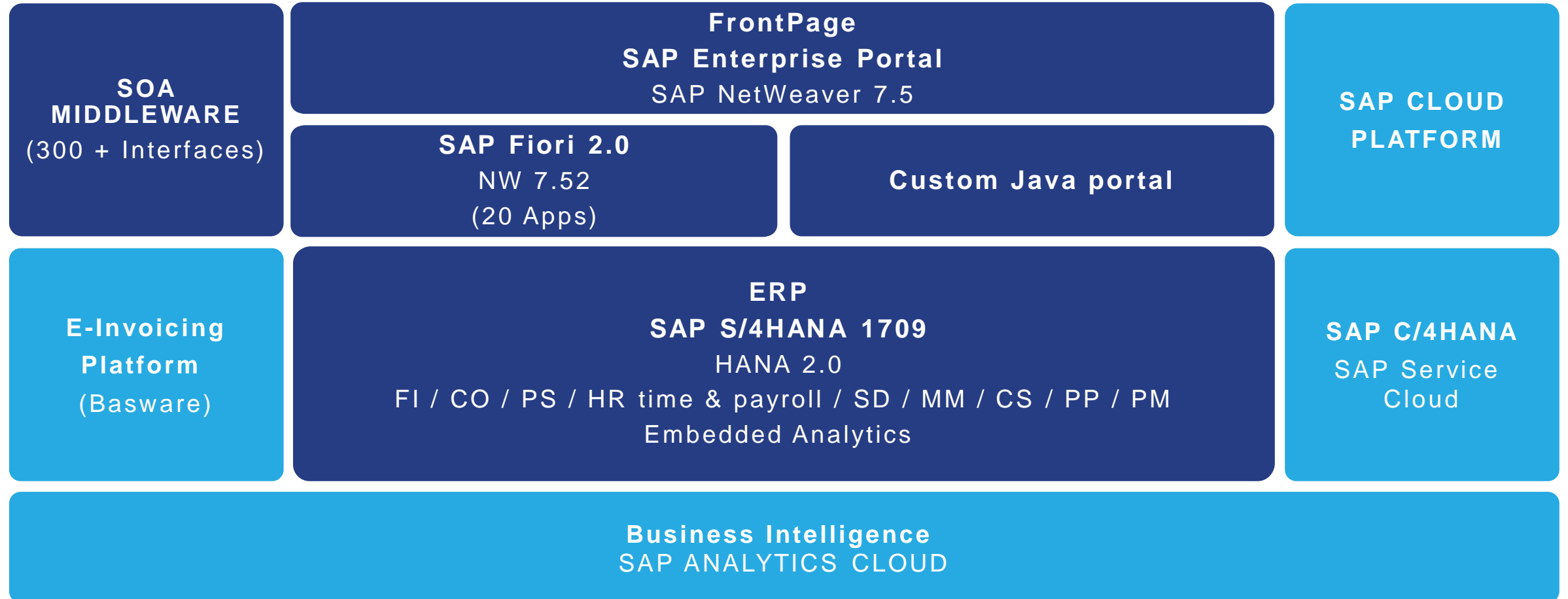
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SAP « Project of the year » in Europe Europe



CODEX APPLICATION LANDSCAPE – AS OF MAY 2019



WHY MIGRATING ON S/4HANA

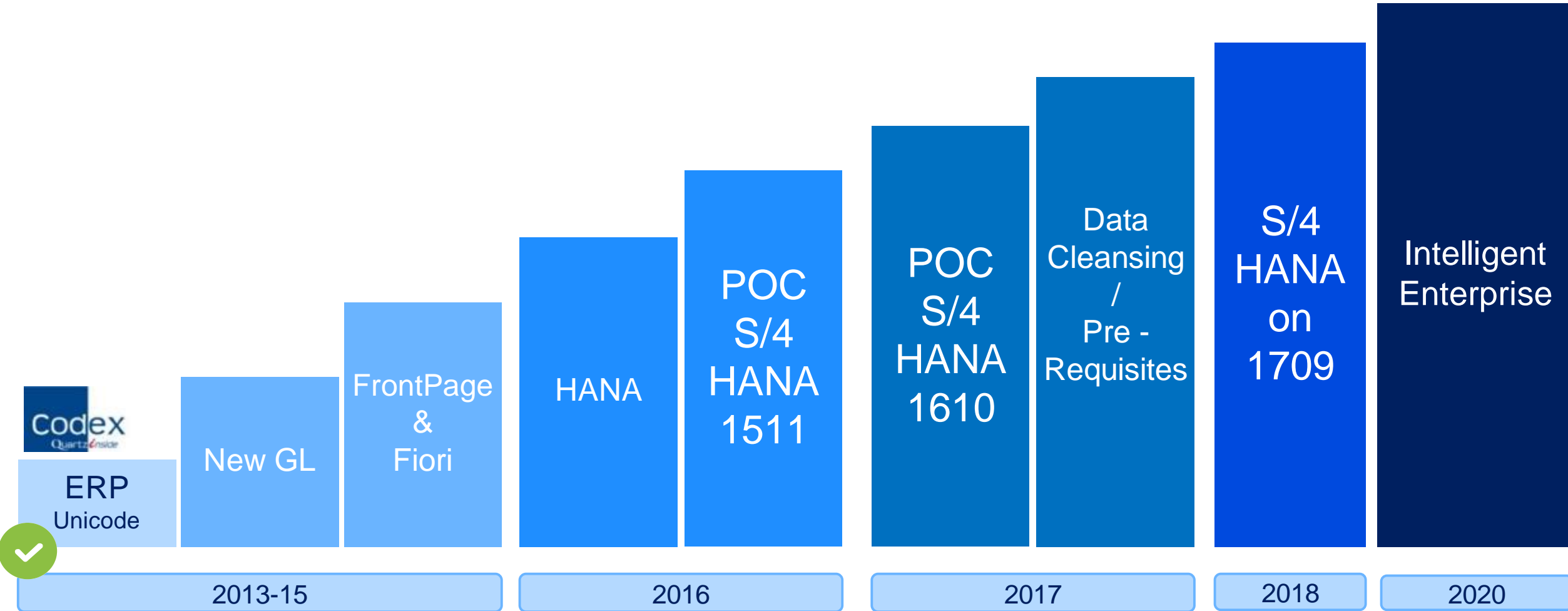
■ WHY ?

- S/4HANA is a **must have**, as part of the SAP product strategy
- All **latest SAP enhancements** are done on **S/4HANA**
- We want to enable new technology to run **business without limits and to be “future ready”**

• WHEN AND HOW ?

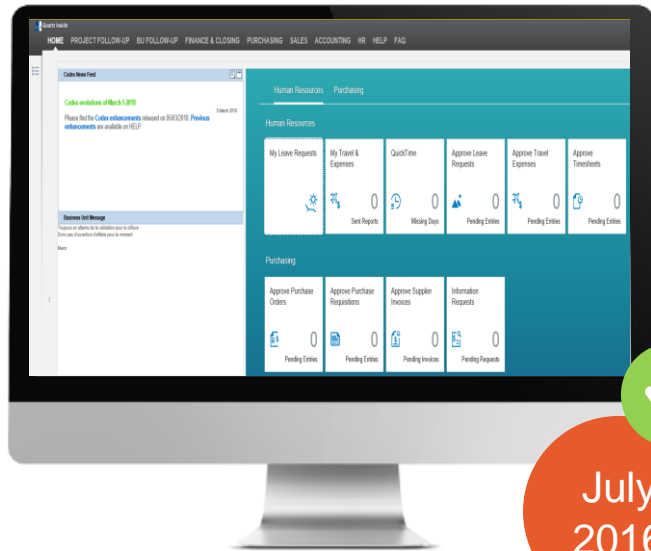
- Let's do it in **2018**, as S/4HANA 1709 is more mature...
- ... but **secure other business priorities and projects**

OUR JOURNEY TO INTELLIGENT ENTERPRISE, INTRODUCE INNOVATION TO ANSWER BUSINESS REQUIREMENTS



S/4HANA AND INNOVATION – INCREMENTAL APPROACH

ERP on SAP HANA



July 2016

User Change

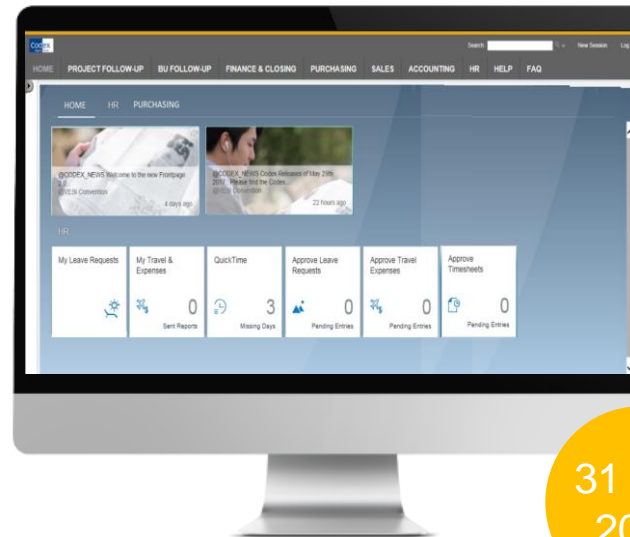
LOW

- Code adjustment

Benefits

- Better performance (30% faster)
- Reduction of DB size (from 3.4 to 1.7 TB)

ERP on S/4HANA



31 July 2018

LOW

- “One-to-one functionalities” upgrade
- Adapt when changes have to be managed (simplified data model)

- Non disruptive
- Quick wins benefits: Re-platforming, Quarterly reporting, Frontpage (EP) Chrome compliance

Innovate SAP S/4HANA



2019 2020

MEDIUM TO HIGH

- Introduce new innovative solutions in an incremental way

- Performance
- New “User Experience”
- Real-time reporting
- Full mobile

KEY CONTRIBUTORS & IT WORKFORCE

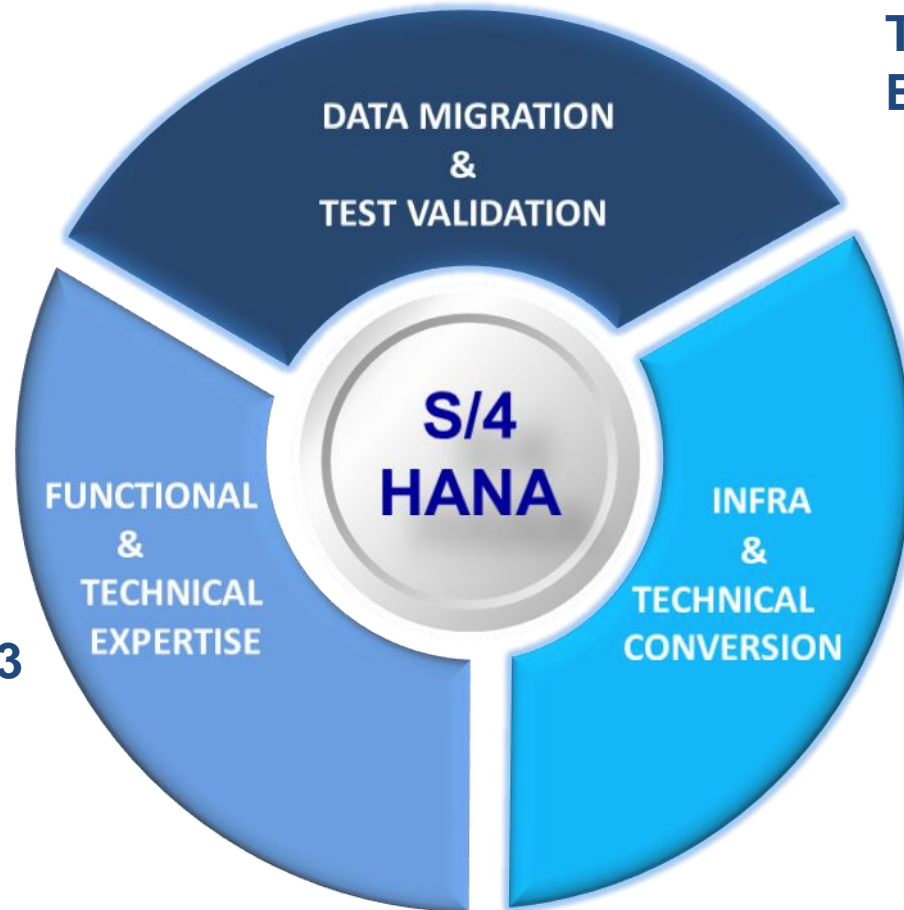
Around 4,000 Man / Days



Management: 1
Functional team: up to 25
Developers: 6
Tech & Basis: 4
Business: 30 Key users for UATs

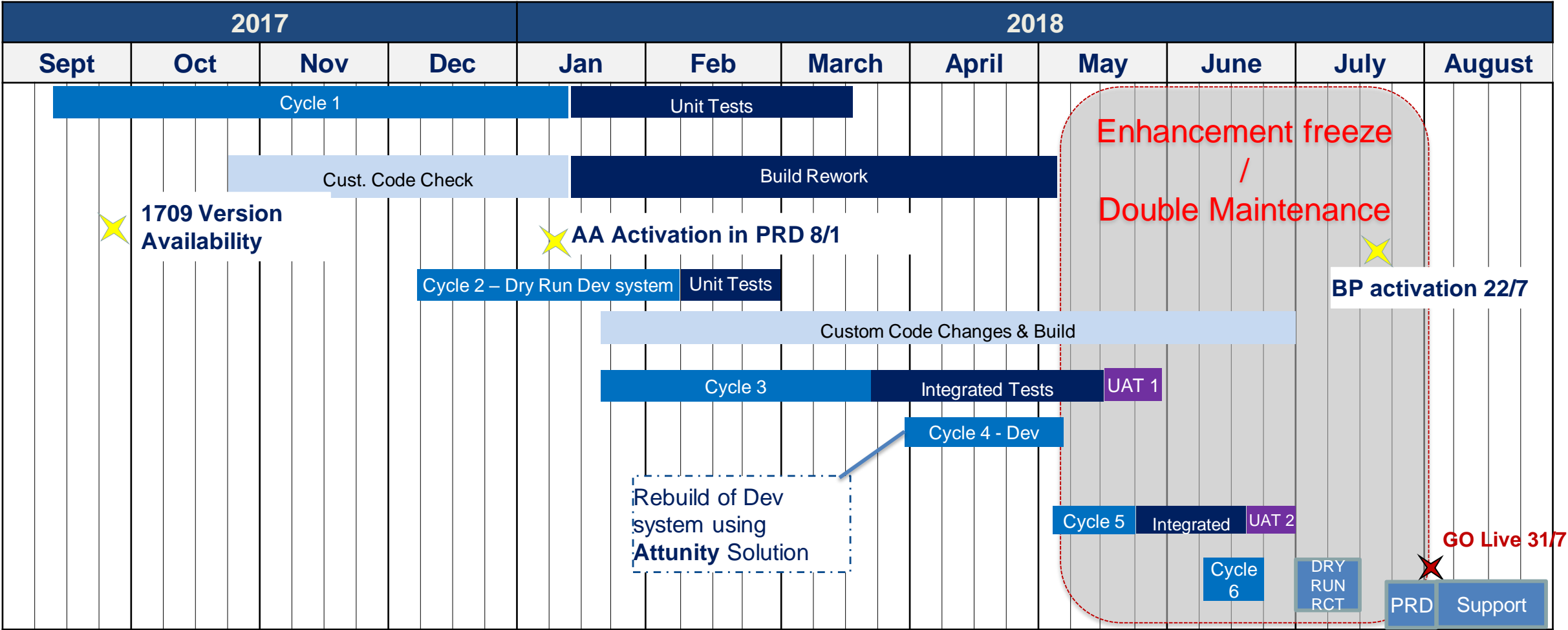


Management: 1
Functional team: 6
Tech & Basis: 2
Custom Care Program: 3



Management: 1
Tech & Basis: 6

PLANNING – 10 MONTH PROJECT

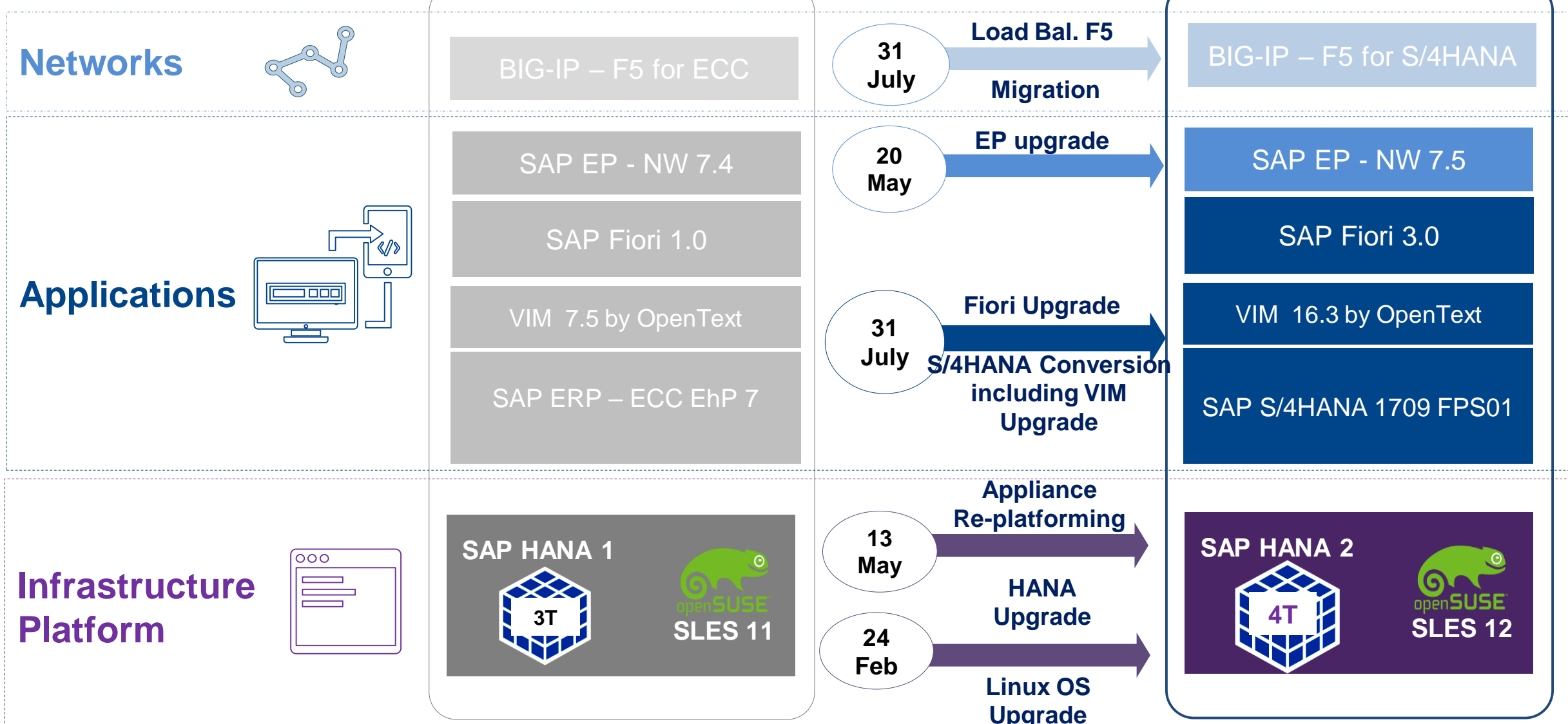


★ Prerequisites in Production

MAIN INFRASTRUCTURE STEPS

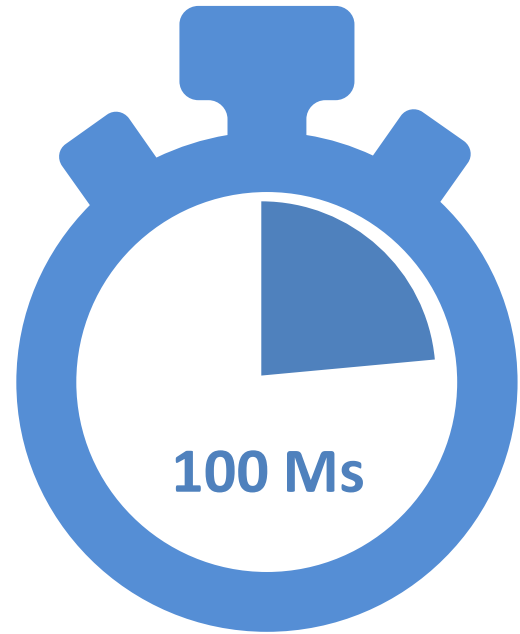
Project Start - Oct 2017

Go Live – 31th July 2018

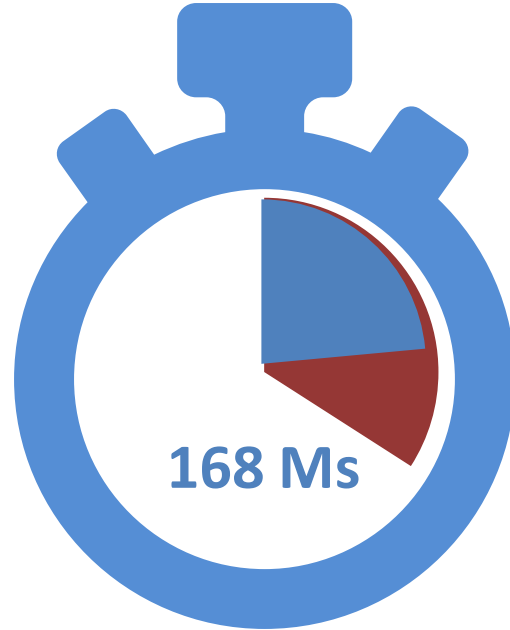


PERFORMANCES & RE-WORK ON SPECIFIC REPORTS

ERP in Production
In ECC

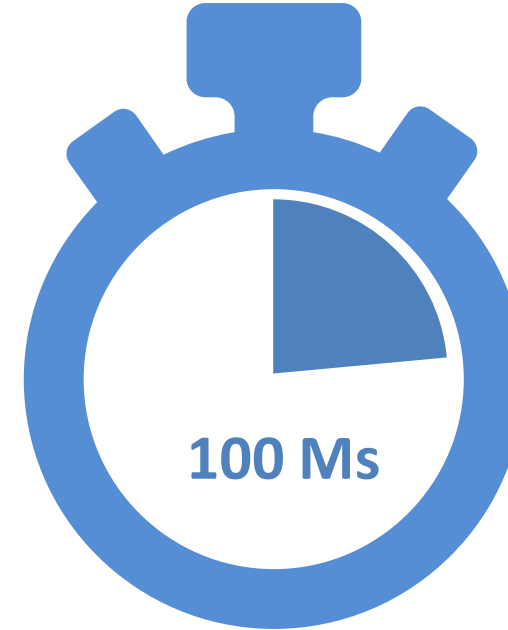


ERP in S/4HANA
Test Cycle 1



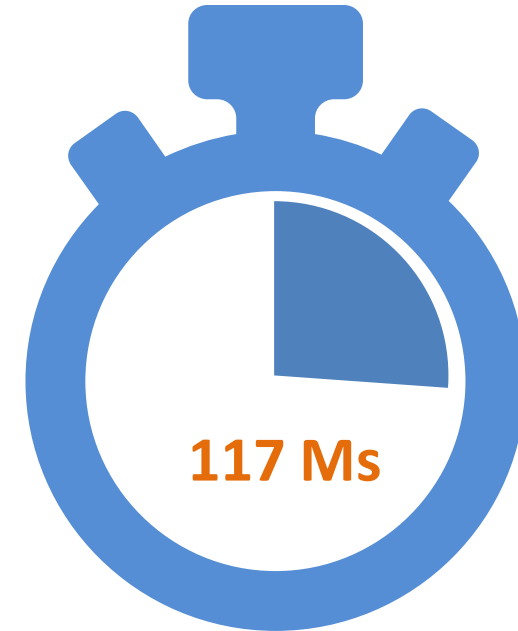
68% Slower

ERP in S/4HANA
Objective at GO Live
31/7



Obtain at least same
performance as today

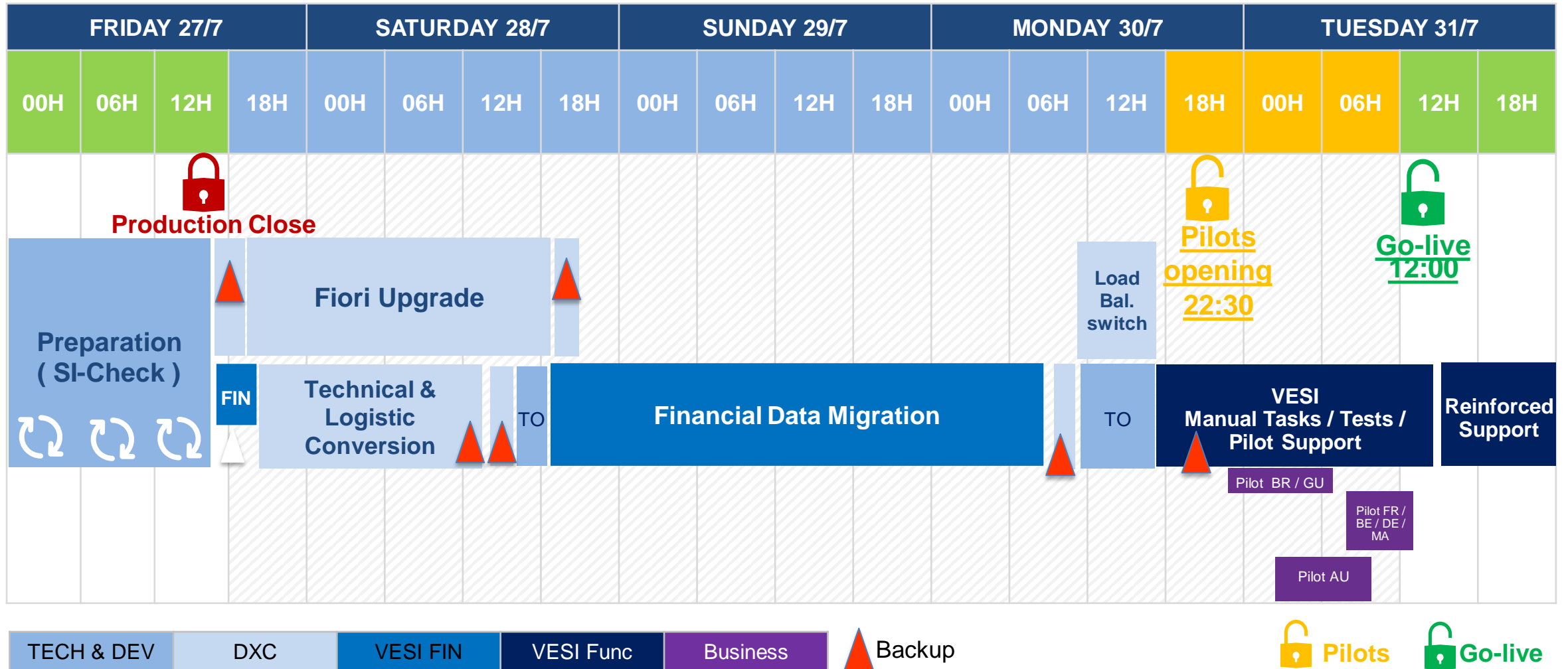
ERP in S/4HANA
9months after GO Live



Rework and
optimizations on
going

Focus on 165 key reports & transactions
Create & Apply « Patterns »: Custom CDS Views

CUTOVER OPERATIONS – FOCUS GO LIVE



7
Conversion Cycles

1 300 000
Bus. Partners
Converted

1
“Hardware”
Crash

3 000 000 000
Rows
in Finance
Conversion

82
Very High
SAP incidents

8 000
Test Steps

40 hours
of
Conversion

10
sub Go Lives
Before
D-Day

2000
Programs
reviewed

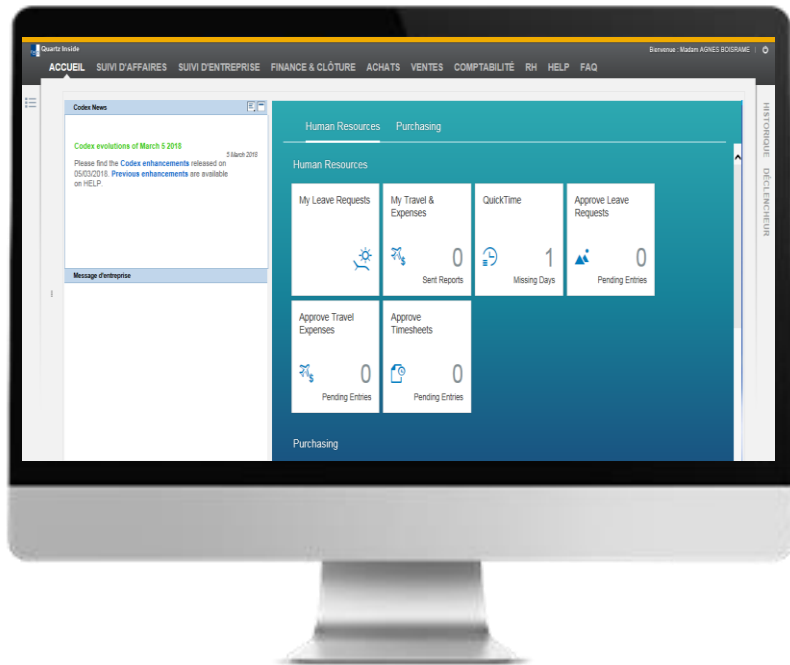
110 Days
Week End
Work

Stat.	St. traitement	Date statut	Stat. libération	Stat. libération	Stat. libération	Stat. libération
000	Terminé	25.07.2018	10	10	1	1
000	Terminé	25.07.2018	10	10	1	1
000	Terminé	25.07.2018	10	10	1	1
000	Poins max	25.07.2018	10	10	1	1
000	Terminé	25.07.2018	29	10	1	1
000	Poins max	25.07.2018	15	10	1	1
000	actif	25.07.2018	15	15	1	1
000			10	15	1	1
000			10	15	1	1
000			10	15	1	1
000			10	15	1	1
000			10	15	1	1
000			10	15	1	1
000			10	15	1	1
000			10	15	1	1

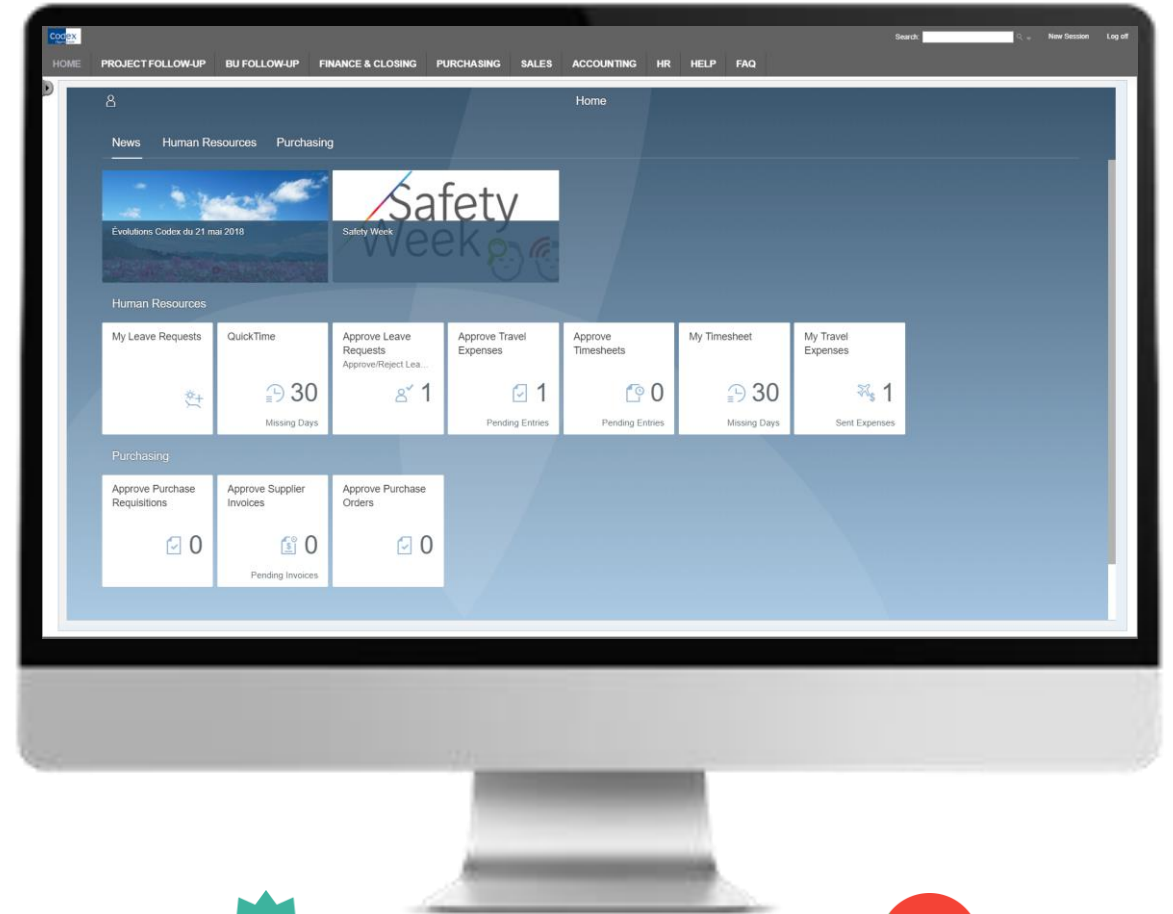




USER EXPERIENCE AT GO LIVE

Before - User Frontpage



User Frontpage at Go Live



NEW Chrome compliant 
NEW Quarterly reporting 60x faster 

MAIN LESSONS LEARNED: BE READY FOR UNEXPECTED



Technical & Infrastructures

- **Anticipate and test all technical prerequisites** (OS Upgrade, **DB HANA Upgrade...**) to avoid bad surprises
- Archiving & **partitioning to anticipate before** the Project
- **Review Infrastructure sizing** (4 AS added after go-live)
- **Reinforce post go live support plan** (including SAP Experts)

Development & Data model structure

- Don't underestimate **New Data Model understanding** (CDS technology)
- Implement **Custom Code Best Practices**
- Take more time for **Code cleansing (old Z programs)**

Functional

- Check integration between **HR /F/MM regarding Business Partner and Vendor Employee**
- Ensure **state of the art problem solving processes regarding SAP OSS Tickets** management & escalation
- Testing phase : **check business process continuity** before/after S/4HANA migration (start a process in ECC and finalize in S/4) & **country specificities.**
- **Train internal staff** as soon as possible

WHAT'S NEXT

OUR MOTTO

Accelerate Innovation



Continue our journey to **Intelligent Enterprise transformation**



Successful migration of Codex & its 31,000 users on the **latest SAP version**



Leverage S/4HANA opportunities for the Business and bring in more efficient ways of work with new technologies experiences (IA, Machine Learning, best in class UX...)



Launch of **PoCs** & transform these opportunities into productive projects



Involve & Team Working with **strong communities** of experts & key actors throughout our Business, VESI Domains, Hubs & other partners

“Innovation starts by intimately observing your customer.” Jeremy Gutsche



One goal :
Empower VE Business users on their daily work on Codex

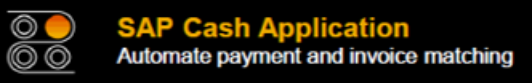
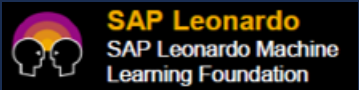
Drive Business transformation thanks to S/4 HANA





Accountant

Technology



VINCI Energies' vision

Enhance Accounting teams daily work

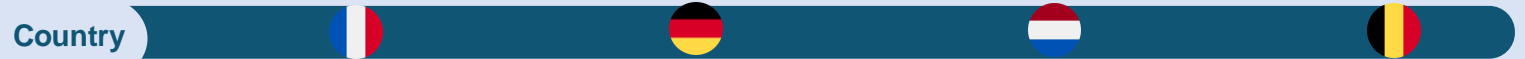
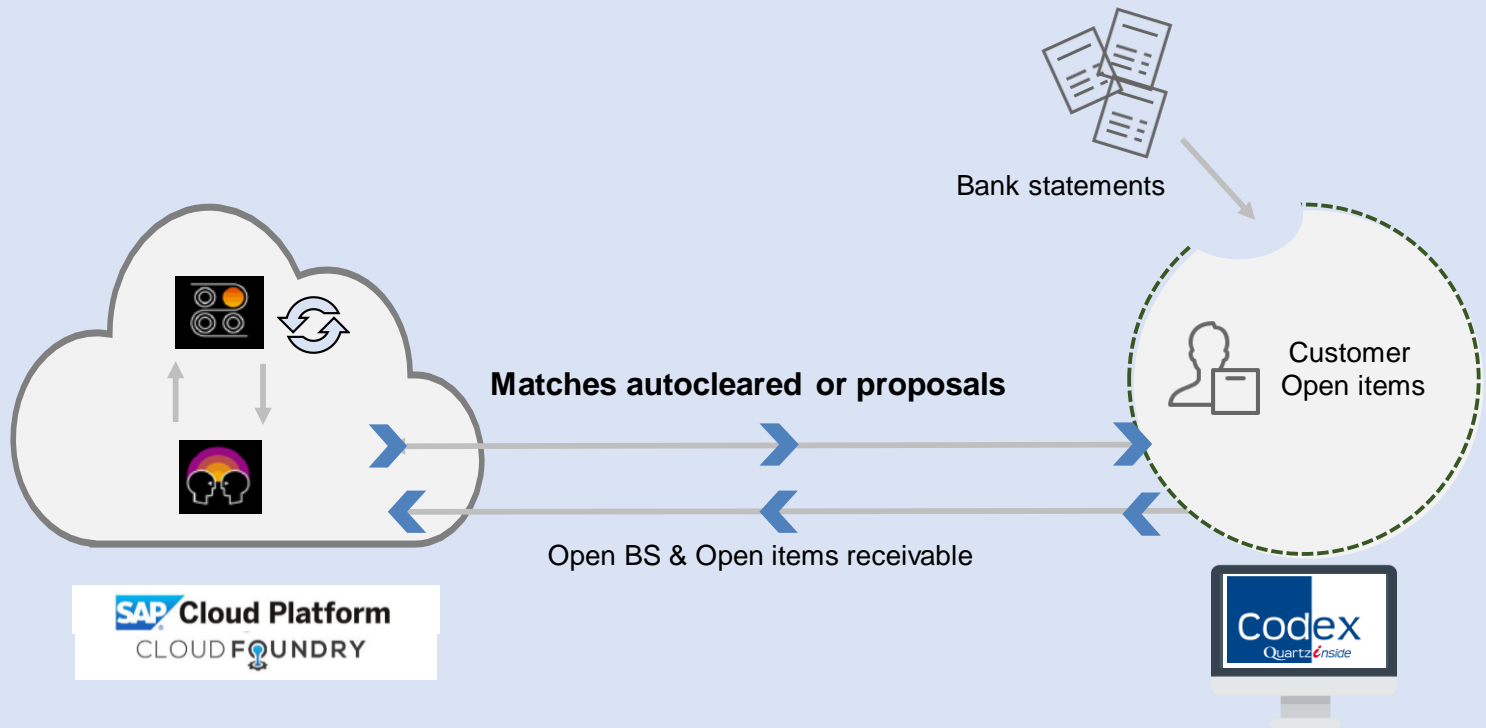
Benefits

Reduce manual tasks

Save time & money

Focus on strategic tasks

Automatic clearing between Customer payments & bank statements



Partnership SAP

SAP Consulting

Duration

3 months

ROI / Expected results

Up to 80% of automation

Status

Live mid June 2018

Drive Business transformation thanks to S/4 HANA





Project Manager

• Technology

SAP S/4 HANA embedded analytics

• VINCI Energies' vision

Empower Operational line with Real time
Easy to use & Customizable Dashboards

• Benefits

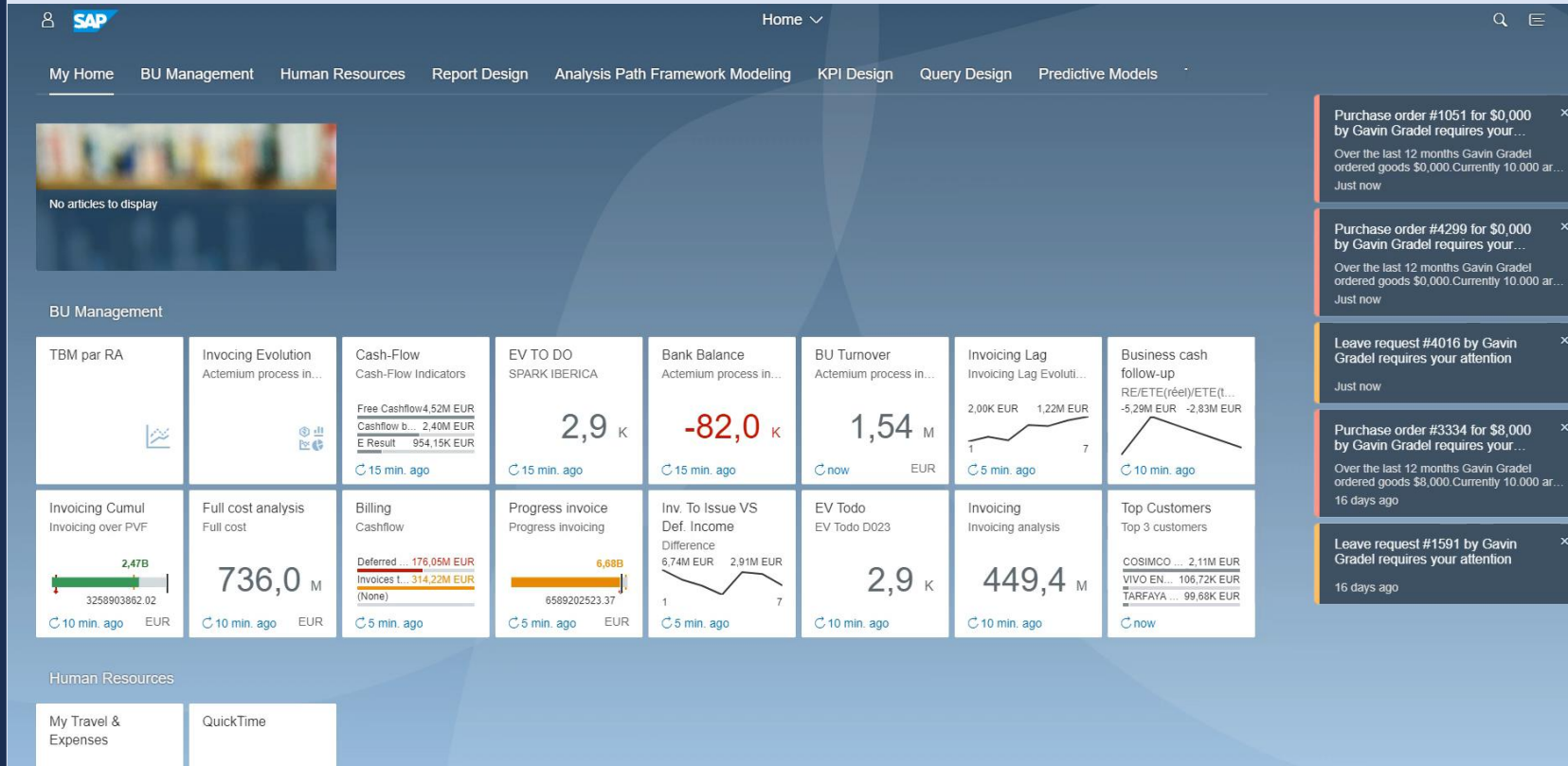
Just Simple

From insights to action

Synthetic view

Available on tablet or mobile phone

Key indicators dashboards to drive Operational activity





• Technology



• VINCI Energies' vision

Empower Operational line & Blue collars with an Digital Assistant

• Benefits

Reduce manual tasks

Save time

Focus on strategic tasks

Punchline



Drive Business transformation thanks to S/4 HANA





BU Manager

• Technology

SAP® Analytics Cloud

• VINCI Energies' vision

Experience the future of the decision making

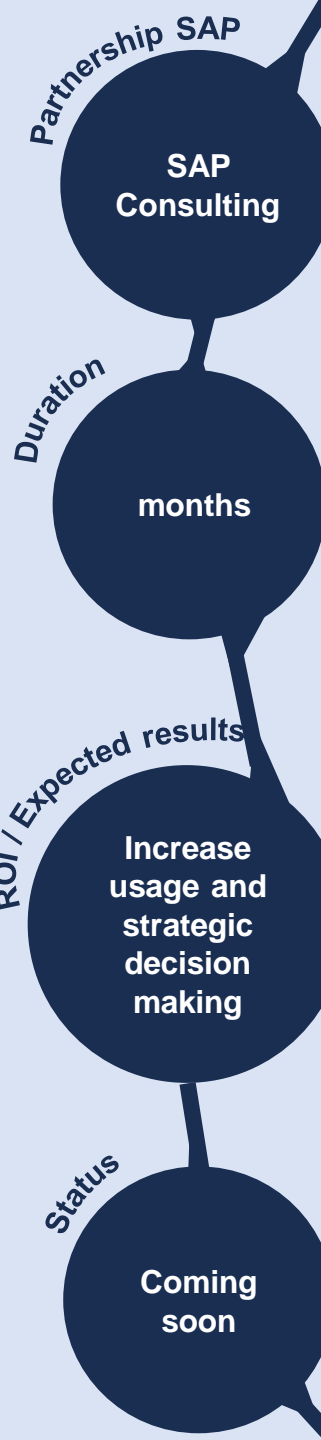
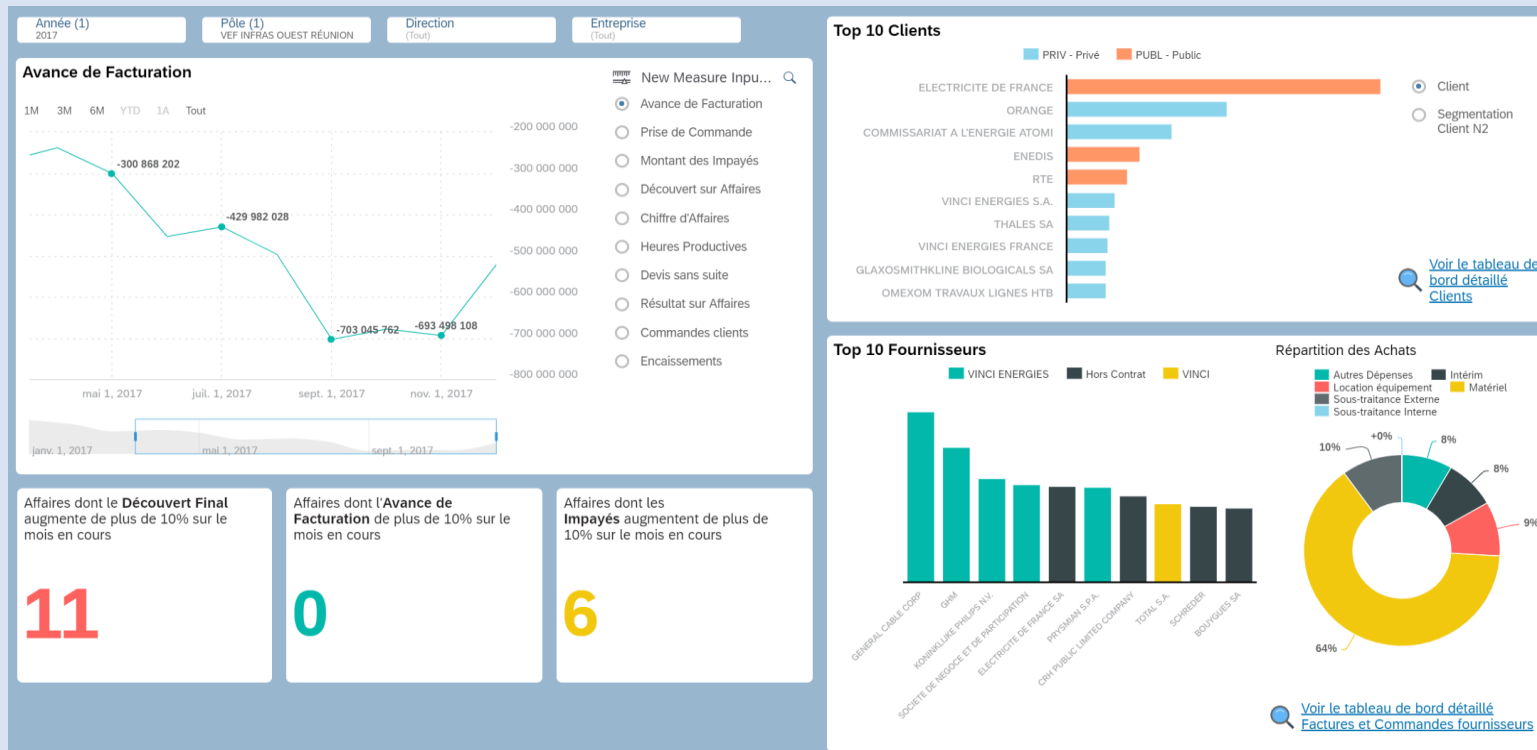
• Benefits

User friendly

Enhanced graphical features

Centralize Intelligence

Countless Business Intelligence possibilities



Drive Business transformation thanks to S/4 HANA





Facility Manager

• Technology

SAP Cloud Platform & IOT

• VINCI Energies' vision

Build the future of Facility Management

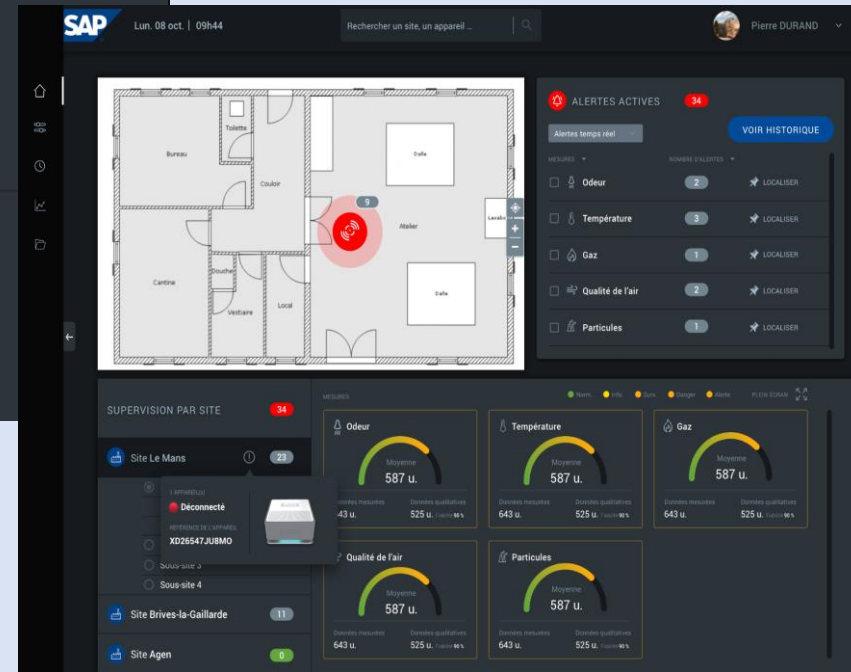
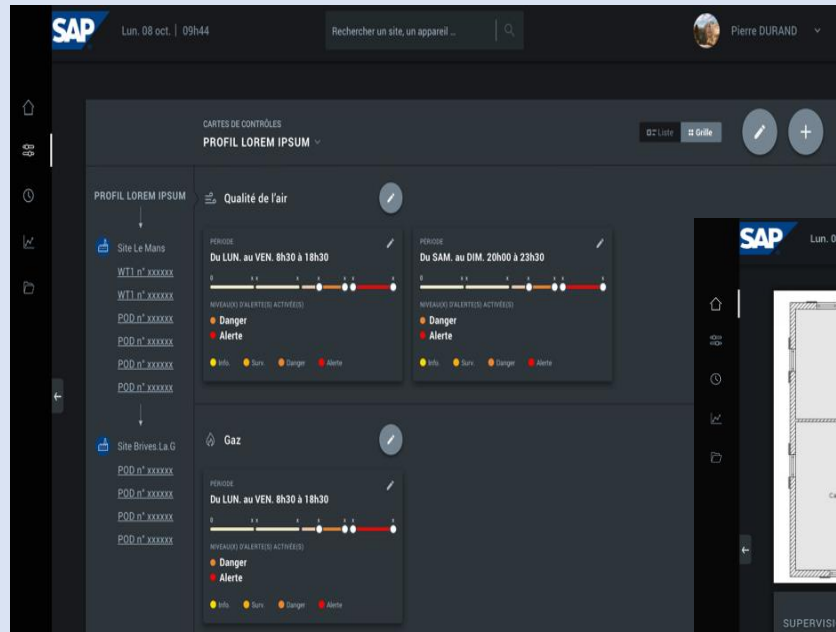
• Benefits

Real time

Treager Alert

Increase remediation

New capabilities for Smart Building



Partnership SAP
Co-Innovation with SAP

Duration
2 months

ROI / Expected results
Optimized facility management

Status
Prototype

Drive Business transformation thanks to S/4 HANA





Field technician

Technology

Field Service Management



VINCI Energies' vision

Provide an end-to-end service management solution

Benefits

Offline first

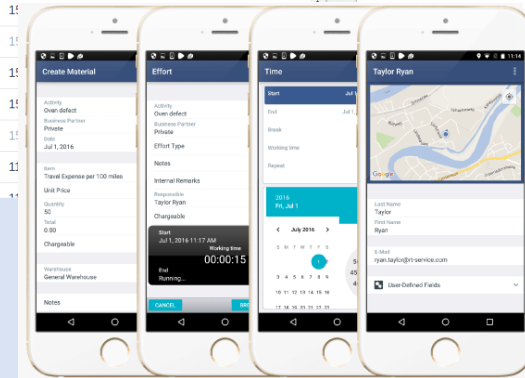
Customizable

End to end process management

Tailored solution for Field workers

The screenshot displays the SAP Planning and Dispatching interface. At the top, it shows the date 'Today' as 13.04.2019 and a 2-day view. Below this is a grid showing technicians' schedules for the week of 13.04.2019 to 16.04.2019. A popup window for 'Service 1' is open, showing details for a customer 'INDUSTEEL BELGIUM SA' at 'RUE DEMOSTHENE, 36 1070 BRUXELLES BE'. The popup also lists equipment 'Riello 20 KVA / 20KVA-987654' and a service call '4000079'. Below the popup is a table of service calls with columns for Service ID, Description, Status, Priority, and Type.

Service c...	Service c...	Status	Priority	Type
4000063	Test FSM ...	Released	Medium	ordre de se...
4000062	Test FSM ...	Released	Medium	ordre de se...
4000061	Repair Bat...	Released	Medium	ordre de se...
4000060	Repair Bat...	Released	Medium	ordre de se...
4000059	Repair Bat...	Released	Medium	ordre de se...
4000058	TEst #5 C4...	Released	Medium	ordre de se...
4000056	End to Es...	Released	Medium	ordre de se...



Partnership SAP
Co-Innovation with SAP

Duration
2 months

ROI / Expected results
Enhanced dispatching capabilities
Increase usage of field service solution

Status
Prototype

Take the Session Survey.

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Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:

<http://info.asug.com/2019-ac-slides>

Q&A

For questions after this session, contact us at [email] and [email].

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