SAP-Centric EAM

Mobilizing our Workforce for a Greener Future

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»What if you can create a work order from any location?«
EC&R Wind Ops goes digital and mobil!
Innovative mobile solution! EC&R sets the pace in efficient operations and maintenance.
e·on

What We'll Cover In This Session

1. Overview of E.ON ECR
2. Project Mission
3. The Challenges We Faced
4. Project Approach & Timeline
5. Solution Architecture

6. System Demonstration
   - View Historical Work against Turbine
   - Work Order Signature Capture
   - Request Materials for Repair
   - Full Offline Creation/Closure of a new Work Order
7. Lessons Learned
8. Q & A

Evora IT Solutions

- Offices in USA, Germany, India
- SAP and Mobile expertise: Mobility & Scheduling (Mobile Workforce Management)
- Partnerships with SAP, ClickSoftware and leading System Integrators
- Implemented projects all around the world

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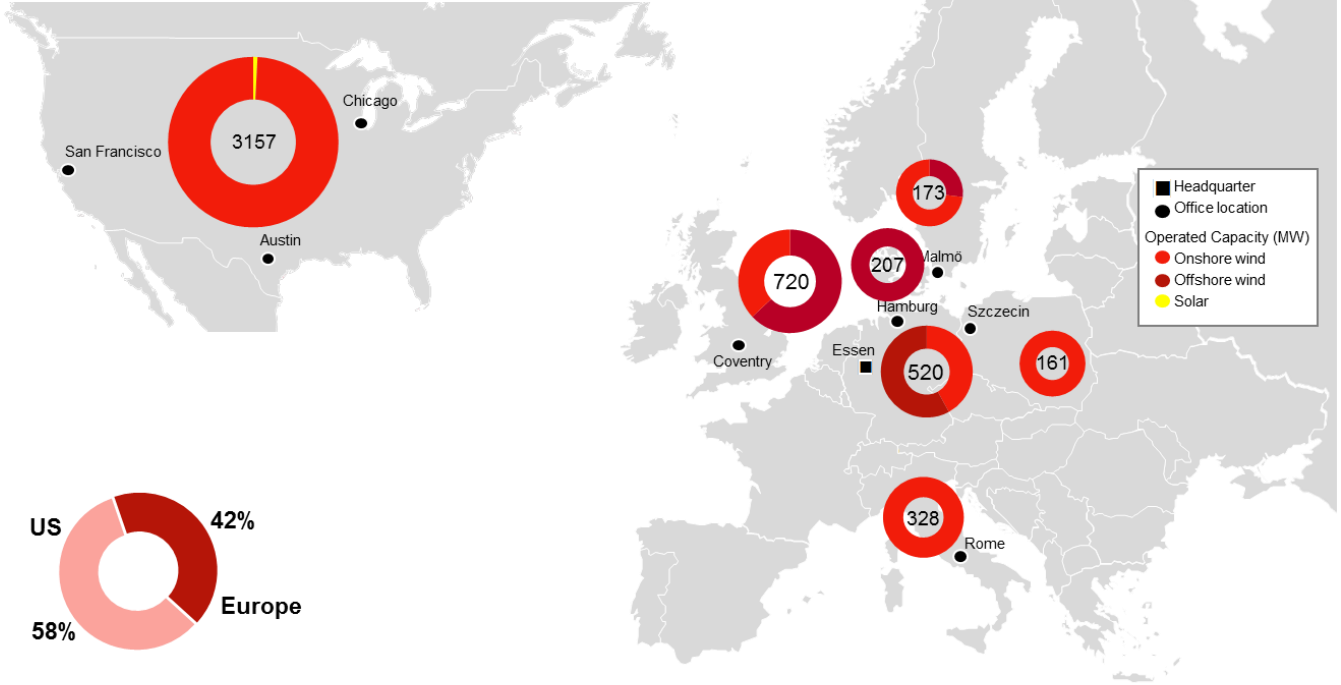
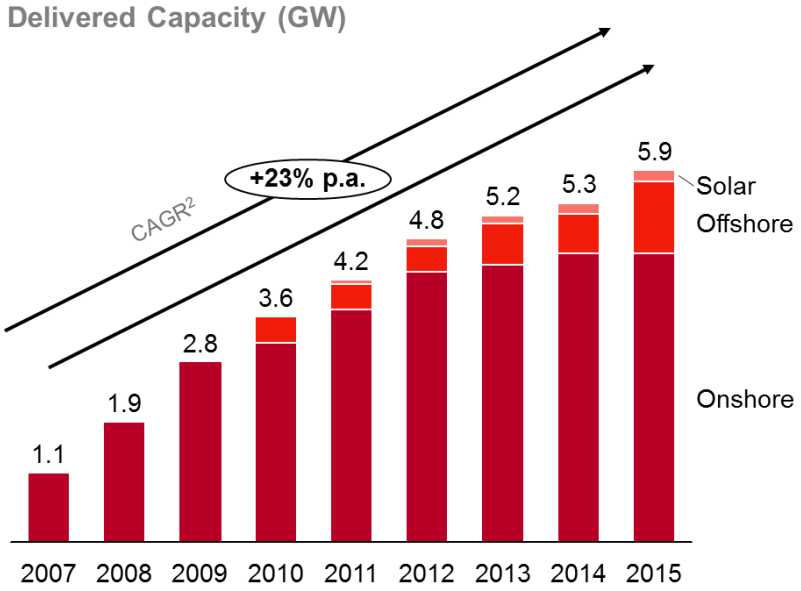
E.ON Climate & Renewables operates a capacity of 5.3 GW across Europe and North America



E.ON Climate & Renewables has achieved a very solid position and excellent delivery

Global #2 in offshore wind[1]

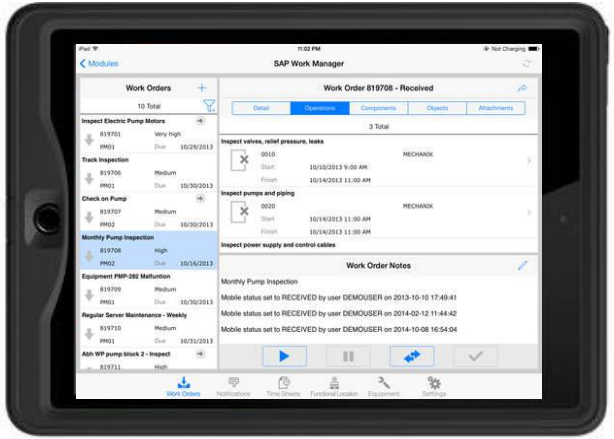
Global #12 in onshore wind



We own a diversified renewables portfolio of 4.6 GW and operate 5.3 GW across Europe and US. Our total investment reached €10bn

1. The European offshore wind industry – key trends and statistics 2015, European Wind Energy Association
2. CAGR = Compound Annual Growth Rate

Project Mission



We bring todays SAP PM and MM data and processes used by ECR on notebooks to iPads with special cases and bring it to the users.

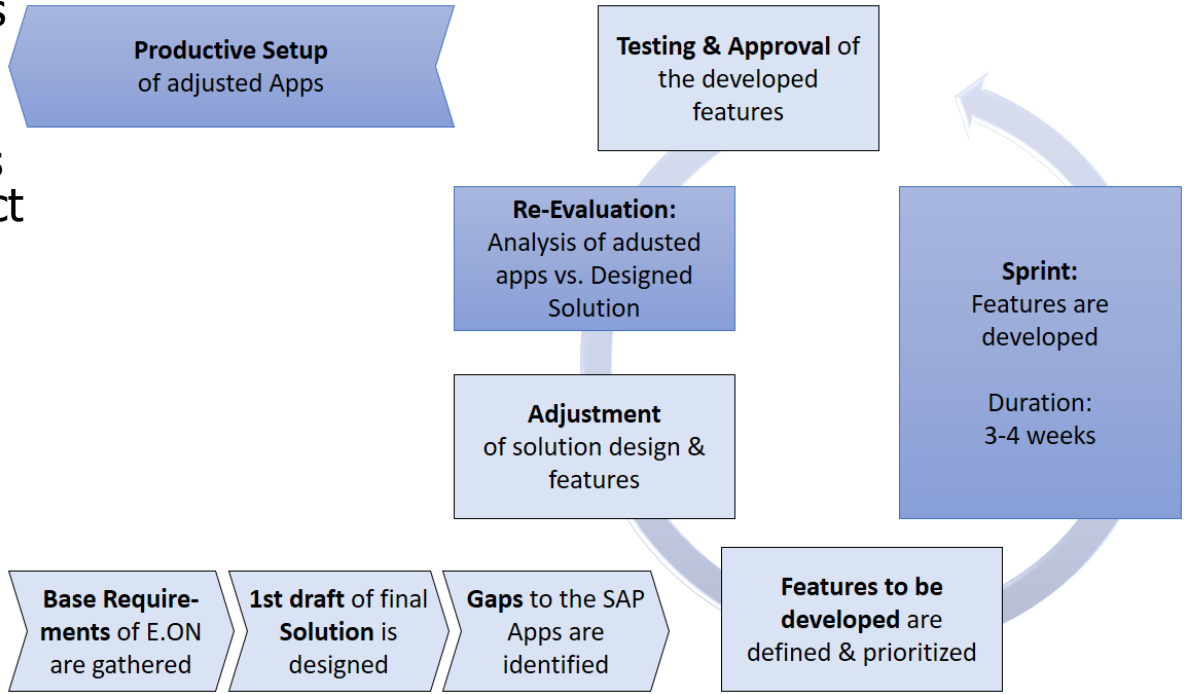
Key Challenges

- Different Requirements for Different Countries
  - Varied legal requirements
  - Varied geographical policies (eg. Local order creation)

- Different levels of SAP usage with the user audience
  - Some familiar with the same business functions in scope for the iPad applications via SAP GUI PM & MM (close order)
  - Different Operations & Maintenance strategies

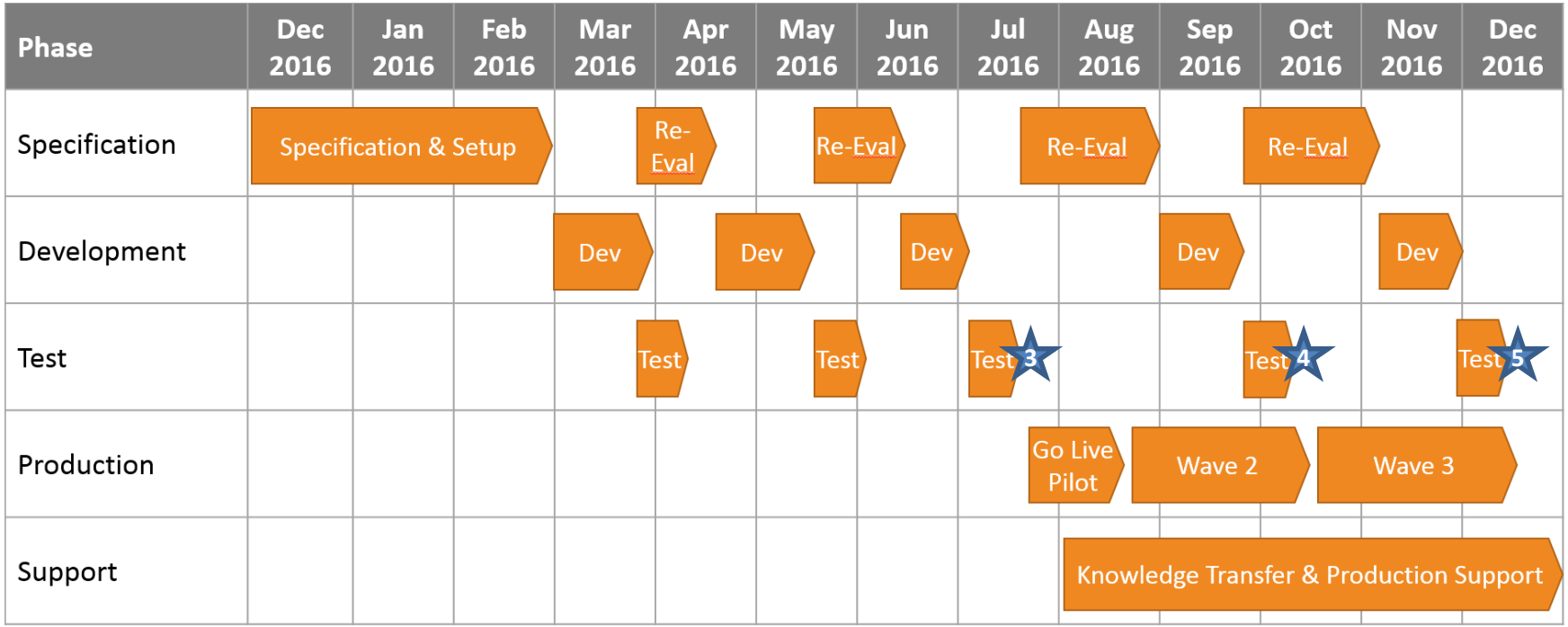
Iterative Development Approach

- "Agile" with a series of 5 Sprints
- Pilot approach initially
- Feedback loop from rollout sites via Business Leads to the project
- Requirements reviewed, impact assessed, EON-driven prioritization in constant collaboration with Evora
- Scope of Following Sprint confirmed
- Continuous Knowledge Transfer to EON Support throughout

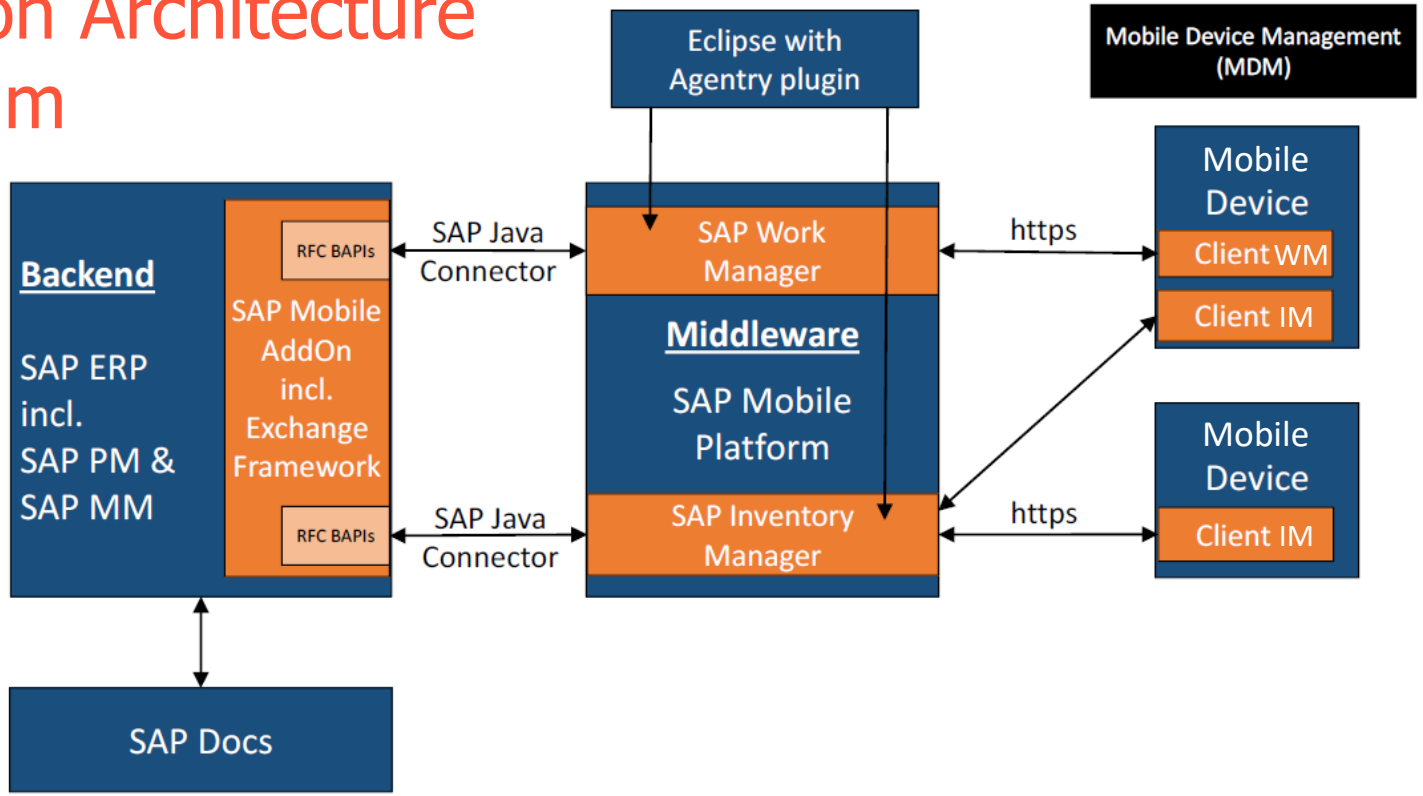


Project Timeline

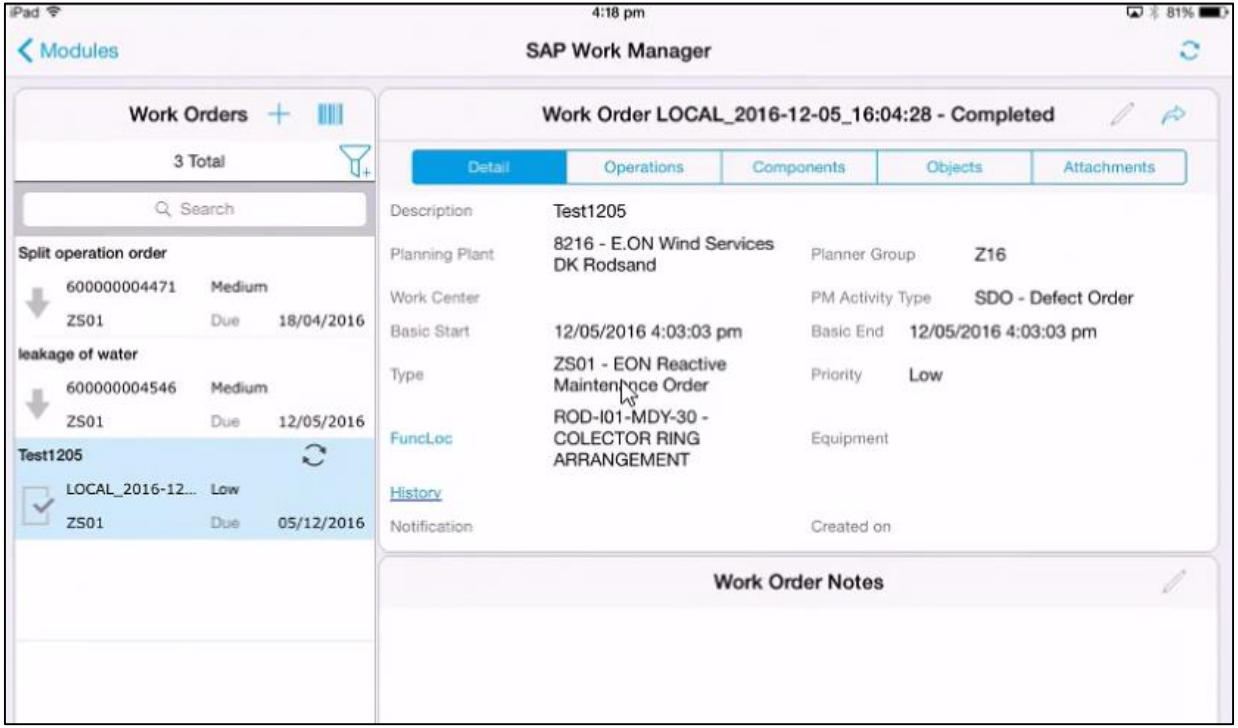
= Sprint Go-Live



Solution Architecture Diagram



System Demonstration



Quotes of Success during Rollout

"The idea behind this project was to look for a solution from the wind technician's perspective and listen to their feedback on what could improve their daily jobs. The interface is very intuitive and the **full online and offline usage** is a big advantage out in the field."
Katja Bartsch-Wünschel (Director of Onshore Wind Europe)

"The new app is amazing. It is **much more intuitive** than the current desktop one and we will save a lot of time and paper. I feel like entering a new chapter in the digitalization of EON."
Emil Bendtsen (technician at Rødsand wind farm)

"This mobile application will reduce the number of paper-based processes and **increase the data quality and quantity** of our maintenance database which will be a foundation for further process improvements and cost savings."
Mark Porter (Director of Asset & Pipeline Management)

"The big advantage is that now they can create a notification directly with pictures and descriptions. This ensures a higher quality of reporting and saves us time and we also expect to **improve the ware house management processes**.".
Pia Lanken (Rødsand Plant Manager)

Key Lessons Learned

- Review SAP Security Profiles Early
- Requirements Gathering – establish a S.P.O.C!
- Support Requirements with Screenshots
- As always, stay close to Standard → consider support
- Having Evora onsite during sprint rollouts was beneficial for all
- Consider External Factors (iOS10 upgrade)

Questions

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