



Turbocharge your SAP system with plug-and-play solutions within Plant Maintenance / Asset Management

Sveinung Gehrken, S5

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We help clients **execute change** to add **value** by intelligently **connecting People, Things and Business**

S5 Consulting

- 32 Consultants
 - 3 offices in 2 countries – HQ in Lysaker, offices in Stavanger and Poland (Wroclaw)
- S5 Partners
 - Consulting partners (Competence, Capacity, Costs)
 - Technology and Packaged Solutions (retail, logistics, EAM, tools, HW)

SAP® Recognized Expertise
User Experience

Technology partners



Consulting partners

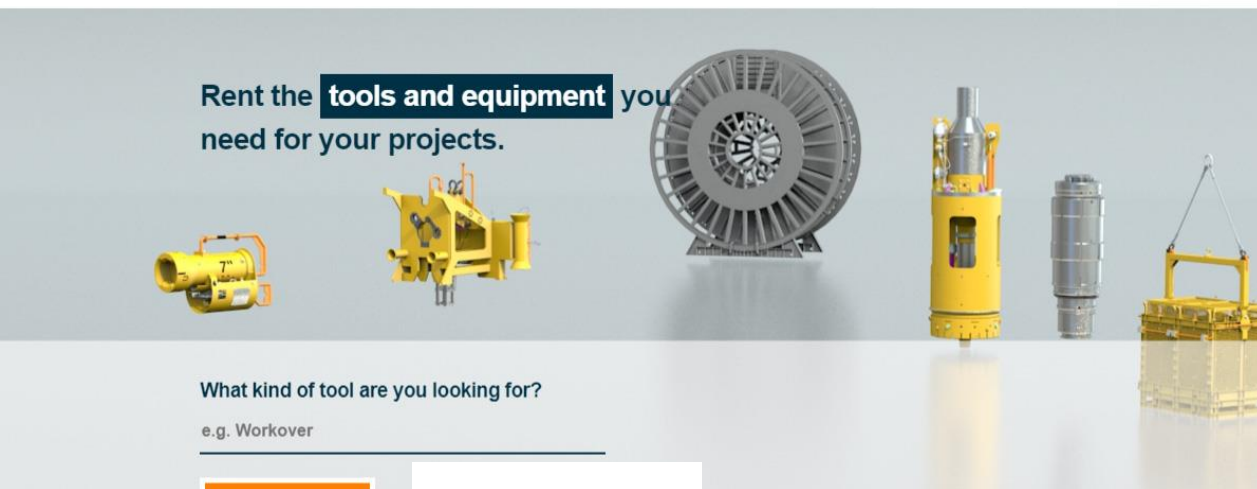


“She learns, after she finishes the job, that she programmed very well the specifications as delivered to her, but that they were deficient. If she had only known the purpose of the program, she could have done it right for the purpose, even though the specifications were deficient.”

– W. Edwards Deming, *Out of the Crises*



Our SAP industry experience within EAM



Statkraft



ConocoPhillips



aibel



Evolution not revolusjon

“Every system is perfectly designed to get the result that it does.”

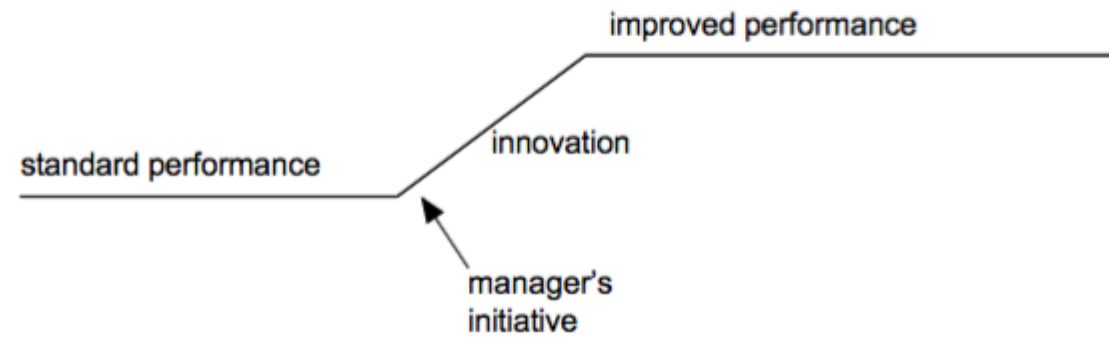
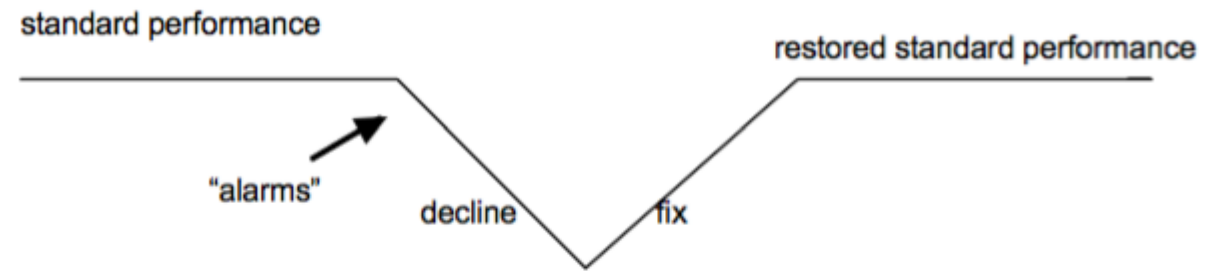
– W. Edwards Deming

“The transformation will come from leadership.”

“Put a good person in a bad system and the bad system wins, no contest.”

Four Principles of Continuous Improvement:

- Principle 1
 - Stop fixing and start improving
- Principle 2
 - The best practices are the ones you already have
- Principle 3
 - Changing behaviour is more important than changing processes
- Principle 4
 - If you aren't failing, you aren't trying



THE SITUATION.

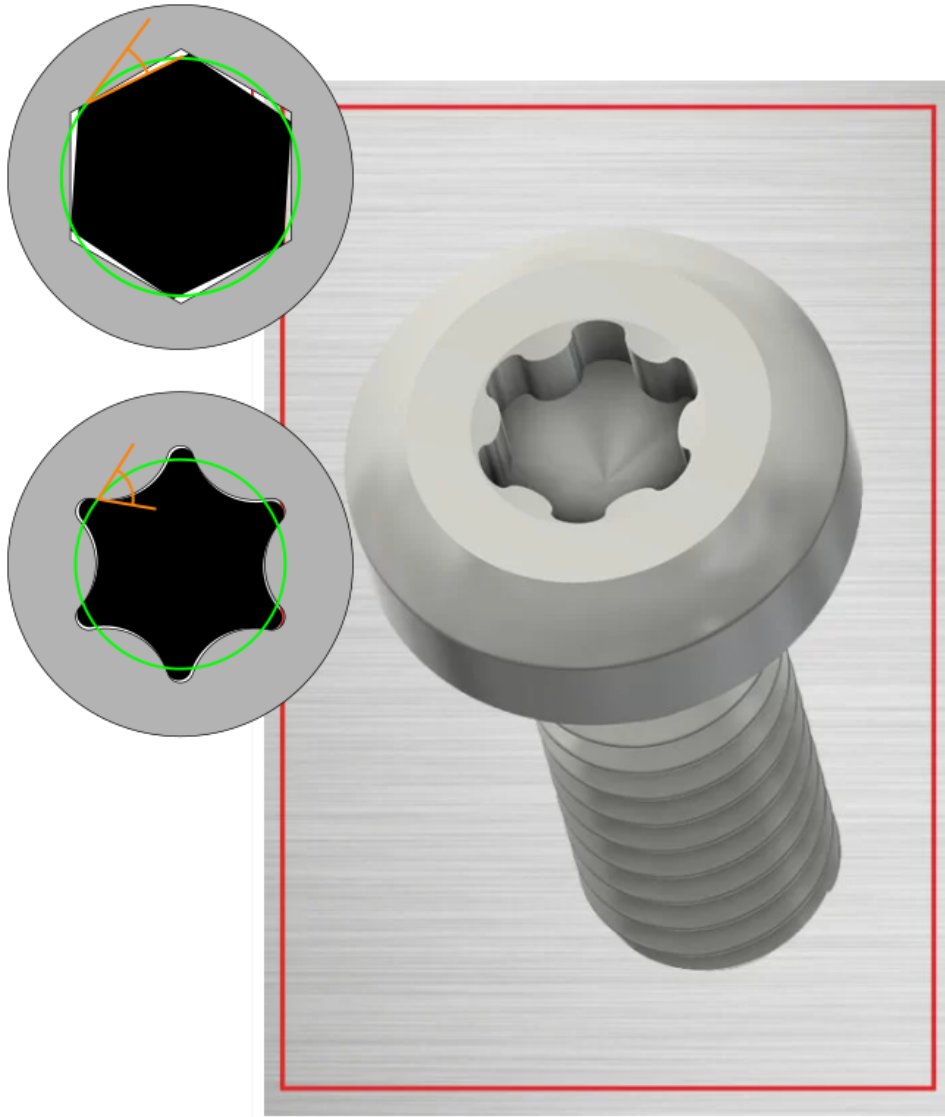


THE SITUATION.



TORX PLUS[®] Drive System Internal Benefits

- Straight, vertical sidewalls virtually eliminate camout
- Elliptical-based geometric configuration maximizes the engagement between driver bit and fastener recess spreading driving forces over the surface area and extending tool life
- The system virtually eliminates the radial forces that can cause stress on fastener recesses
- Reduce fatigue and muscular stress during manual assembly due to little to no required end load
- Ensuring optimal torque transmission, The high torque transfer capabilities means it can utilize increased seating torques without increasing current bit usage levels. These capabilities are also important during removal of a fastener in service environments, where corrosion can cause seizing in the joint.
- 25% average improvement in driver bit torsional strength over TORX[®] Drive System.
- 100% average improvement in driver bit life; many users of the TORX PLUS[®] Drive System have driven 2 to 10 times more fastener per drive tool.
- The TORX PLUS[®] recess completely enclosed the driver tip, reducing tool slippage as well as costly and unsightly damage to the fastener and surrounding surfaces.
- TORX[®] Drive tools can be used to remove and reinstall TORX PLUS[®] Drive recess fasteners in service conditions



THE SITUATION.

**Increasing
wrenchtime**

Increase MTBF

Increase OEE

**Drive cost of
maintenance down**

**Increase Uptime plus reliability
and predictability**

**Save spareparts
save miles**

**Better, faster and precise data
where and when you need it**

THE SITUATION.

Support your maintenance strategy with one product

Mobile Work Order is ready out of the box but is created to grow with your progress & resources.
2BM Software's goal is to remove IT related complexity and to let Business set the agenda and IT have the insight to support.

SAP STANDARD TECHNOLOGY

BASICS FIRST

- Learning new ways of working
- Design thinking
- Bring in standard products
- Remove complexity via tested UI/UX

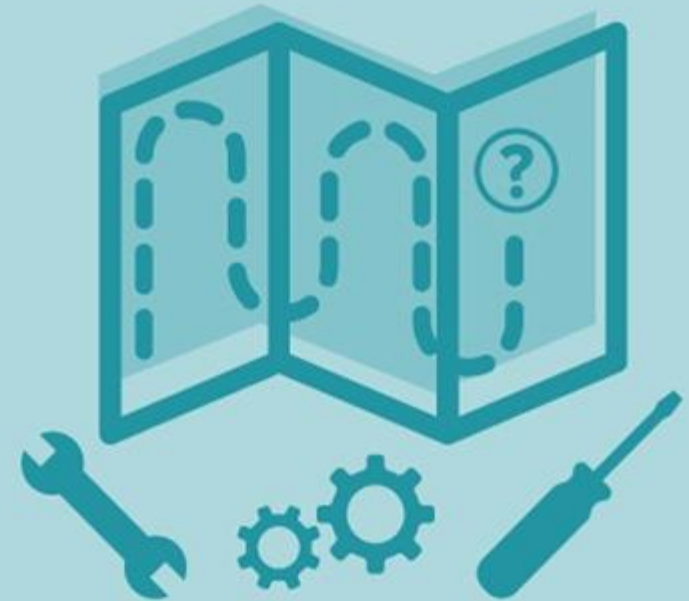
Stick to standards

- No complicated middleware
- Offline
- Map
- Annotation of pictures
- Work Order flows
- Notification flows
- Your existing processes 1:1 in the app
- SAP STANDARDS and TECHNOLOGY 100 %



OFF THE SHELF SOFTWARE

VS



CUSTOM SOFTWARE

Build The Things That Support And Advance Your Mission Statement

Business needs vs. Central IT?

Timing, Solutions, capacity, structure,

Integration vs. Interfacing

Integration:

Reuse, not re-create

If you really want integration and not just interfacing, the products (systems) have to be engineered that way

Interfacing:

Prevents change

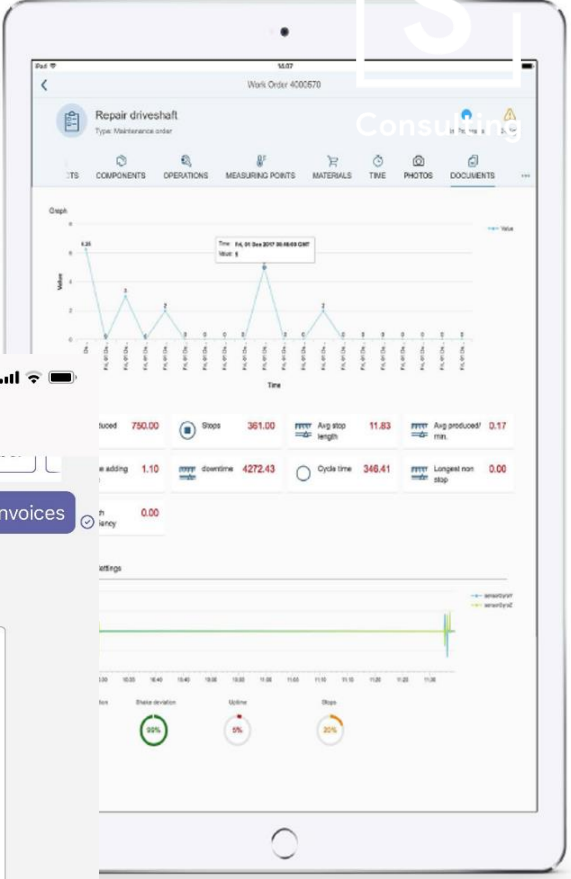
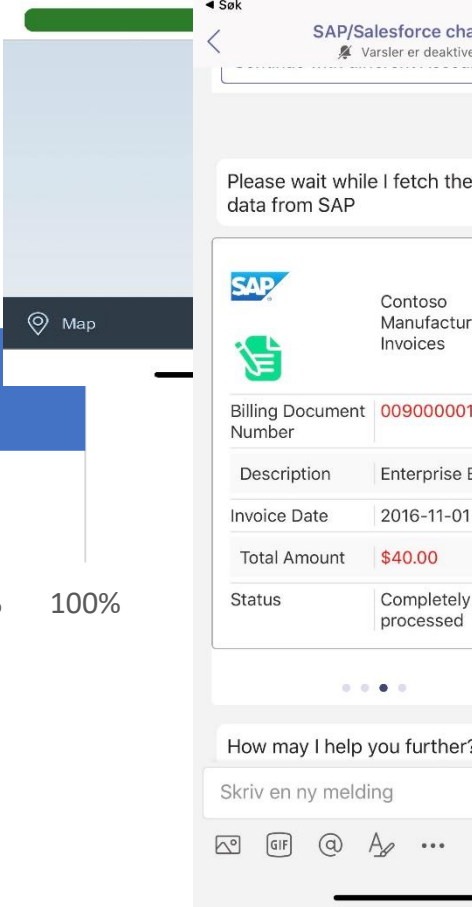
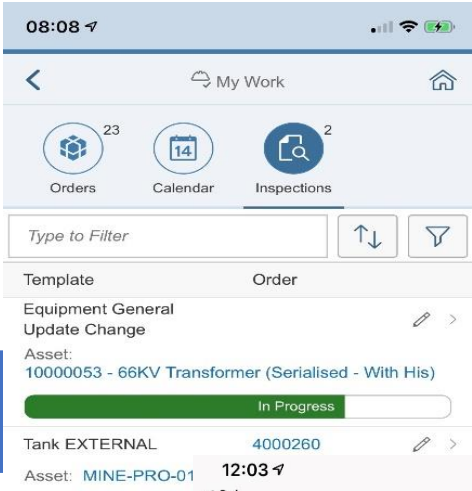
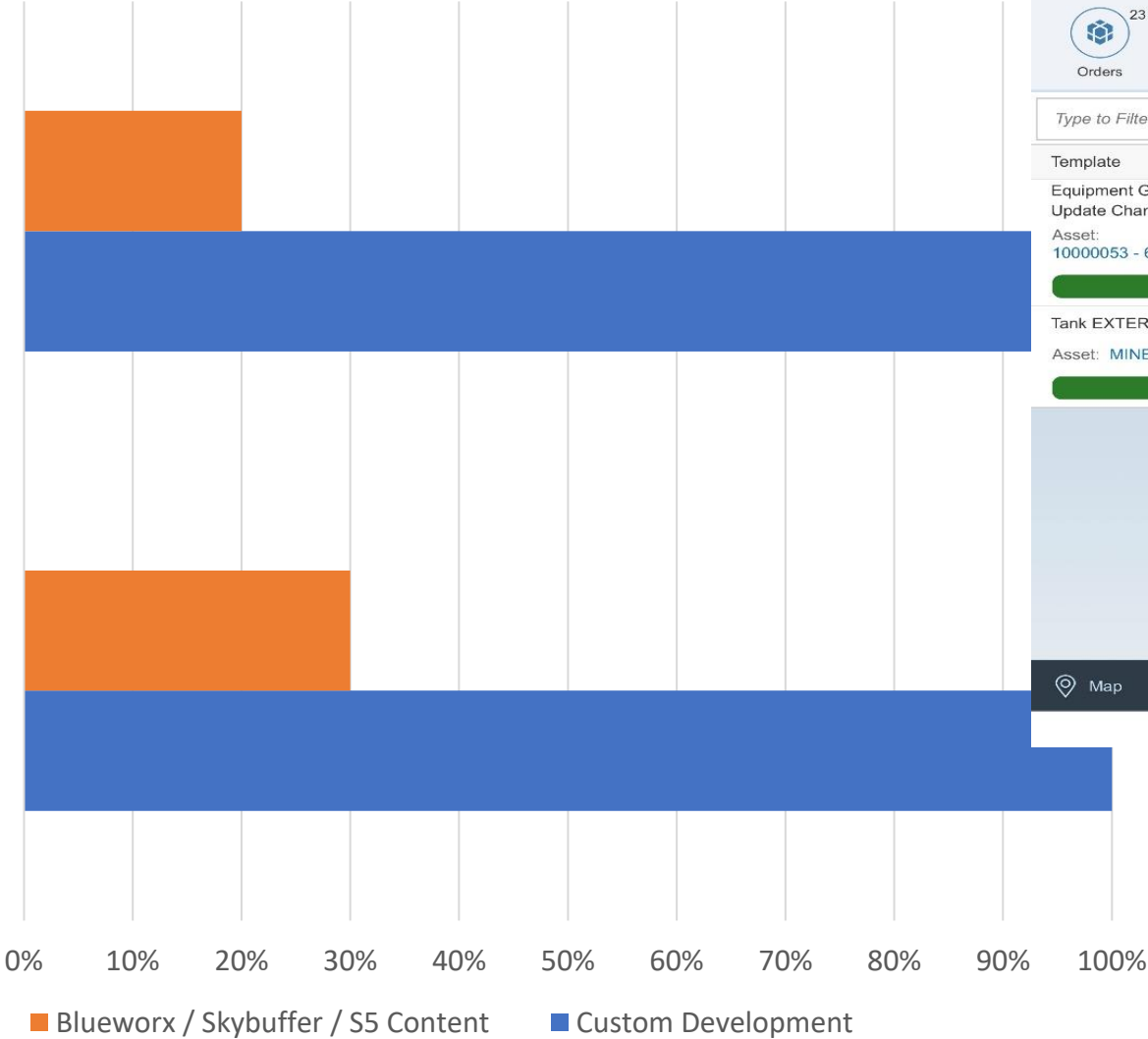
Increases costs

Interfacing is a short term strategy, not a long term solution

Drastically Decreased Costs and Time

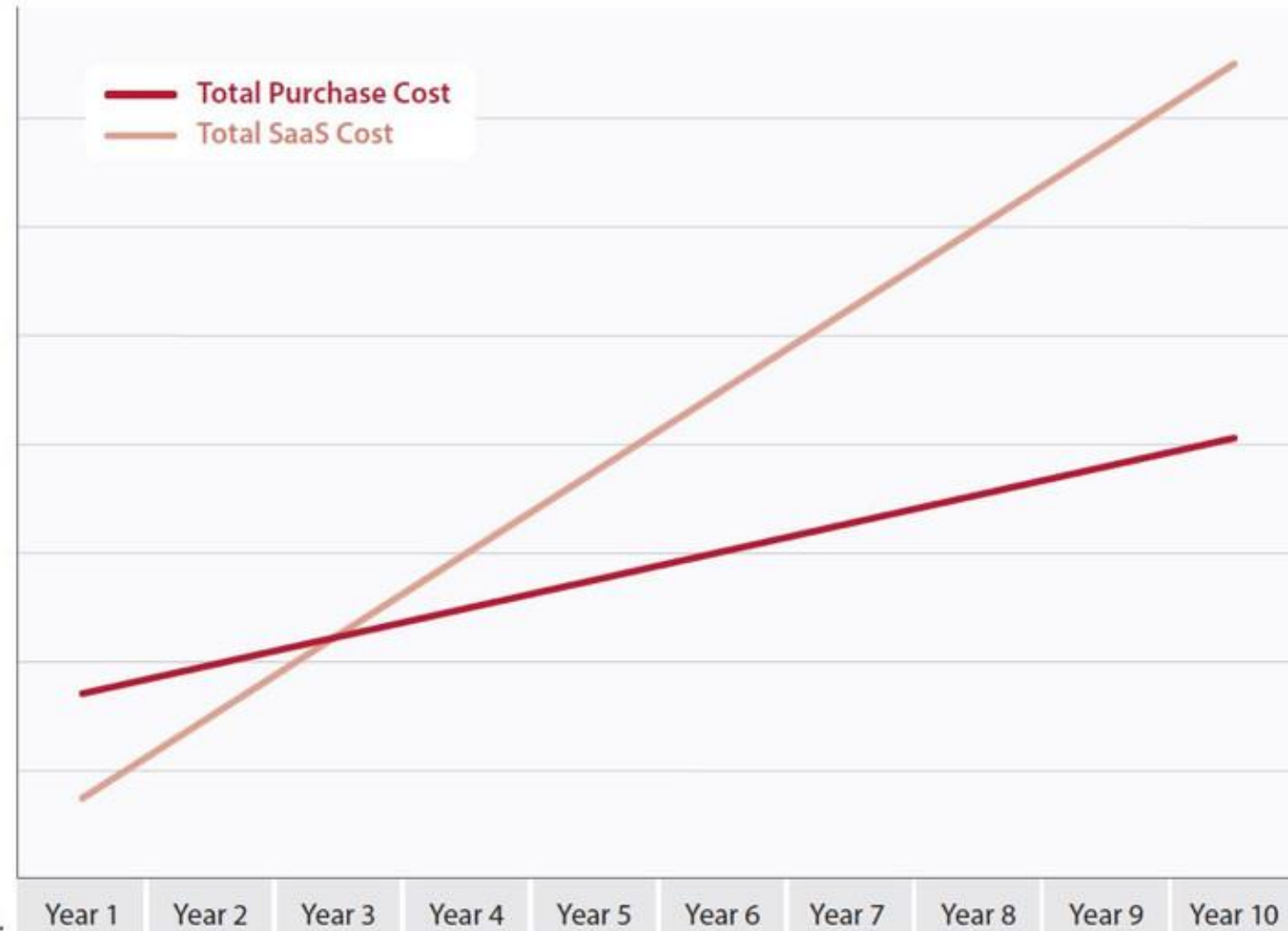
Implementation Time

Implementation Costs



Traditional scaling of costs.. Saas vs. build/Buy

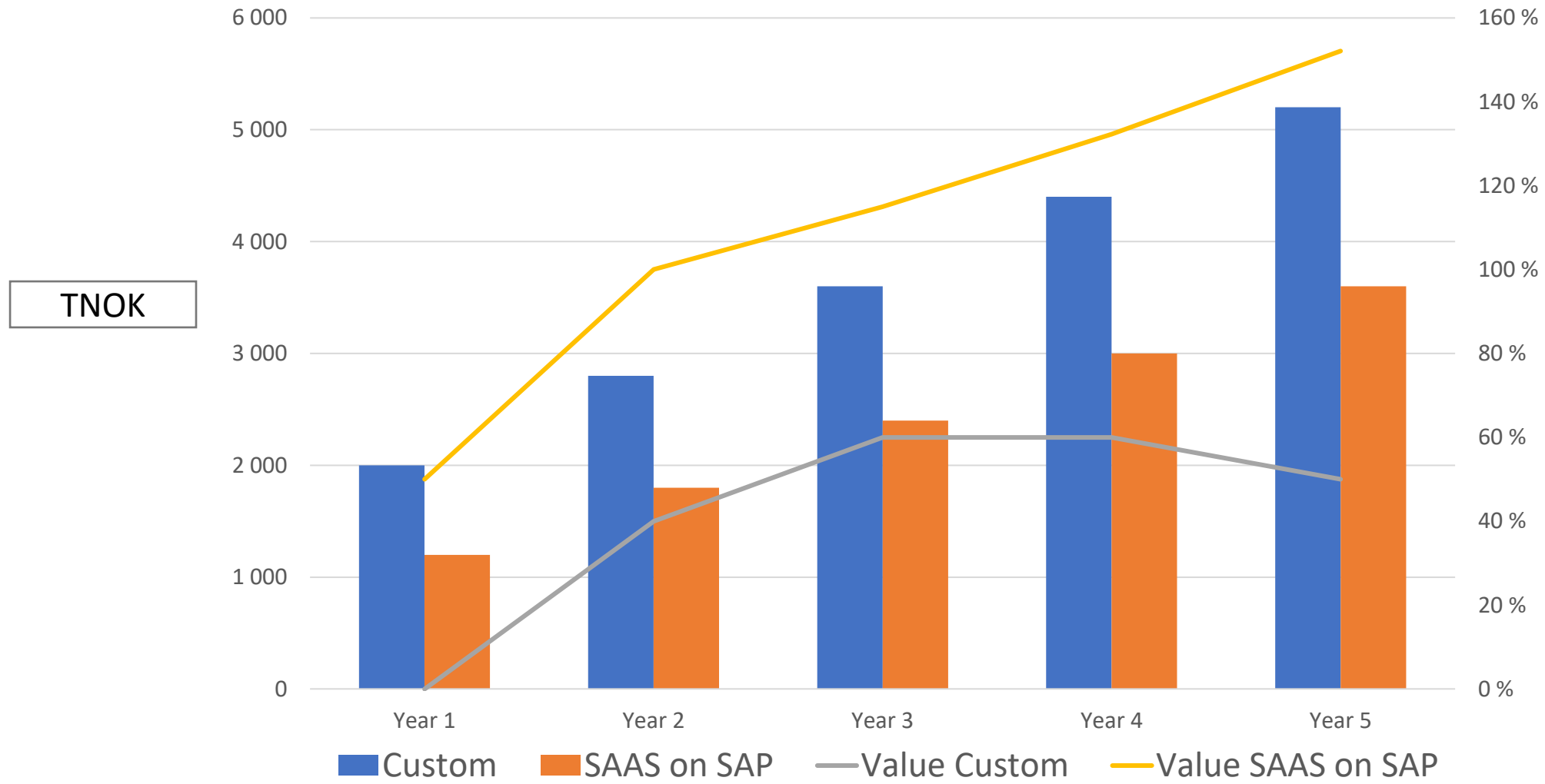
SaaS vs. Purchase



Rent vs. Buy

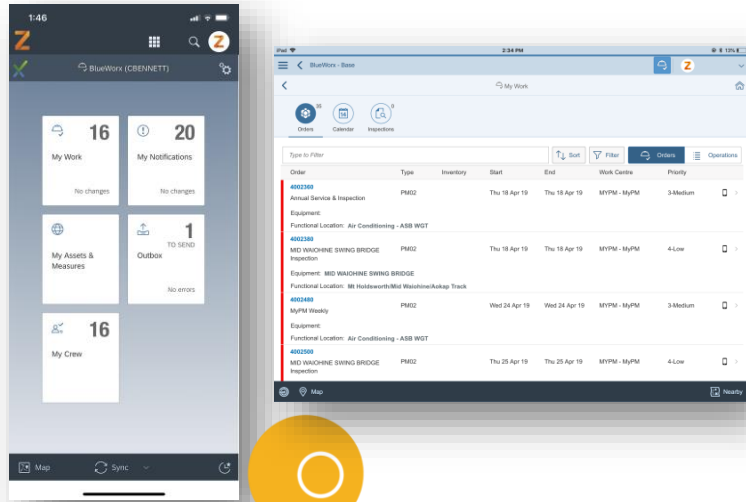
SaaS vs. Purchase chart
showing cost at 1–10 years.

Cost vs. value SaaS on SAP stack



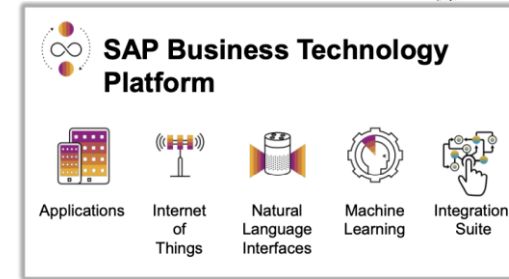
Alternative EAM Mobile solutions

Partner Content

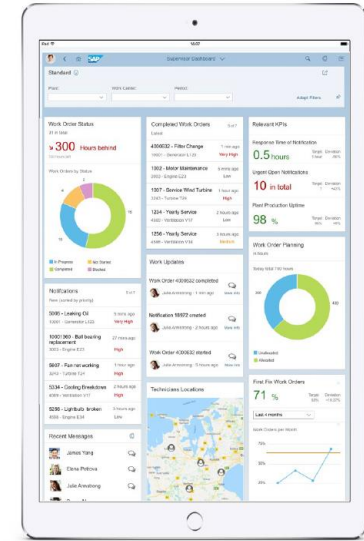


Neptune Software

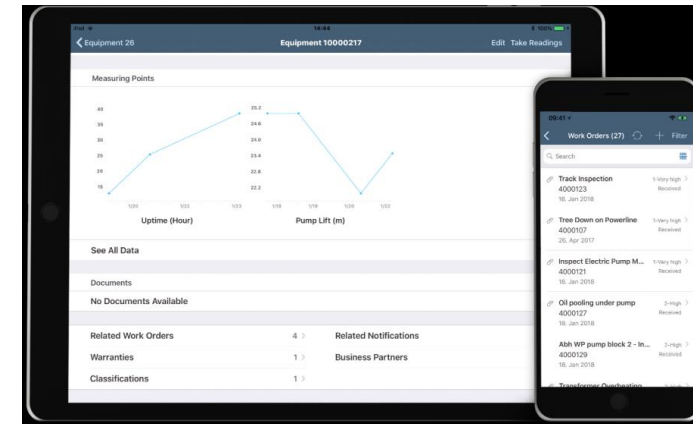
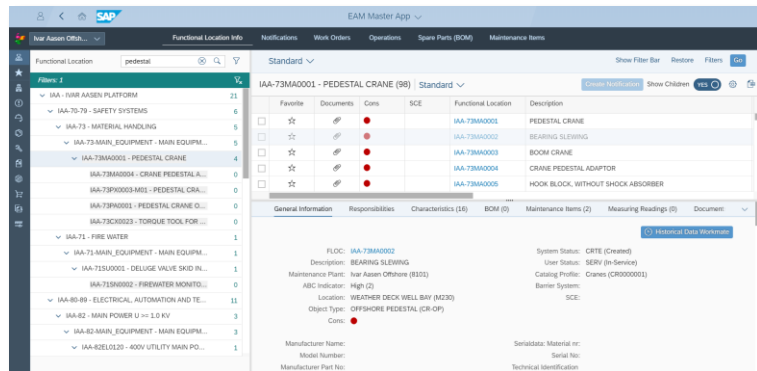
VS.



SAP Asset Manager



Custom Development

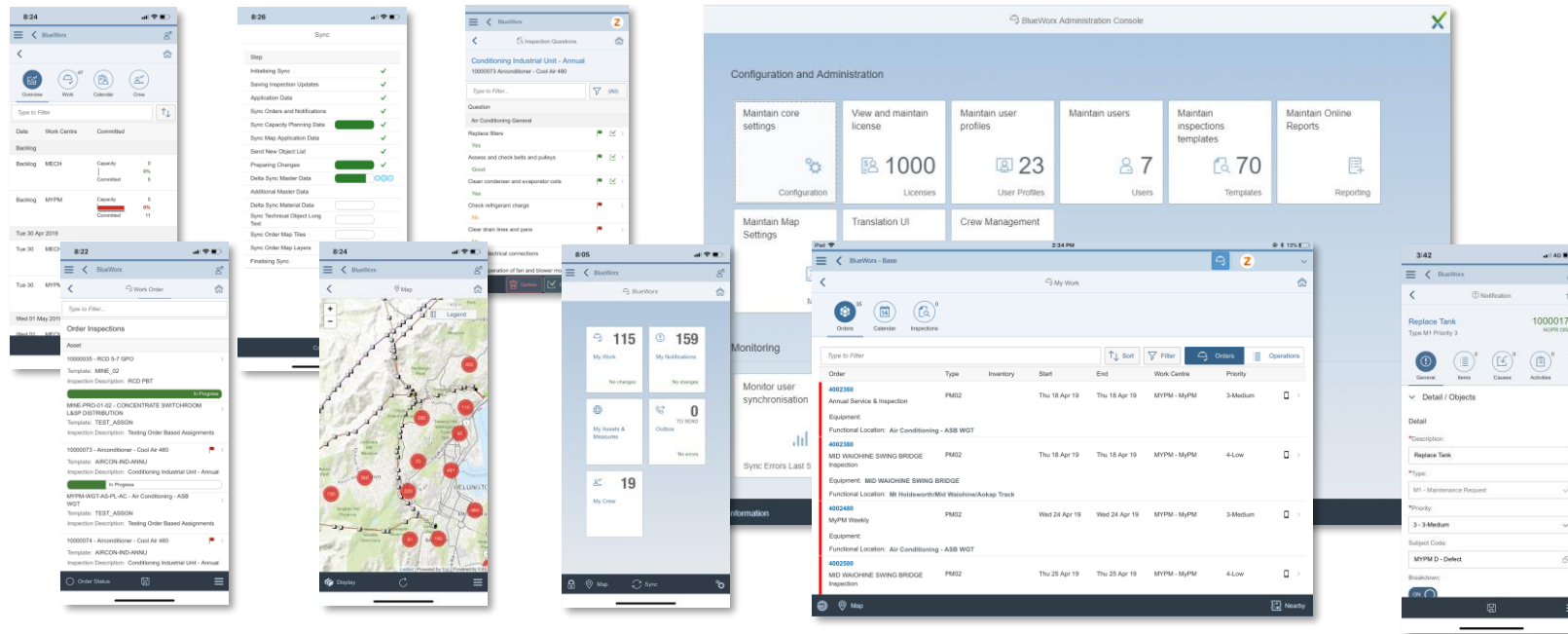


BlueWorx packaged EAM solution

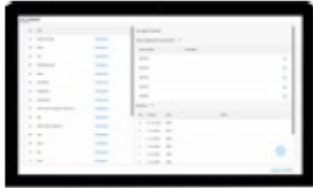
BlueWorx provides an intuitive user experience, using the latest SAP Fiori® UX across **mobile**, **tablet** and **desktop**. BlueWorx works fully offline allowing you to continue to work when your connection doesn't.

Base functionality:

- Work and service orders
- Notifications
- Comprehensive asset inspections
- Functional location details
- Equipment details
- Material balances, issues, reservations and exchange
- Measurement reading list
- Measurement points
- Measurement documents
- Bills of materials
- Documents
- Optional Google map and Esri map integration

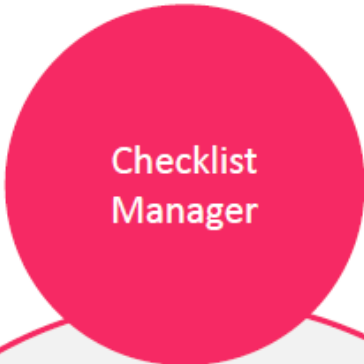
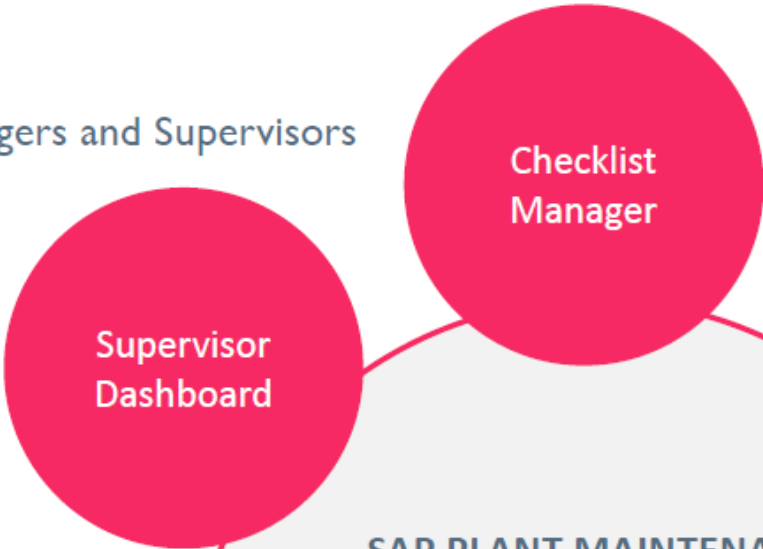


MOBILE WORK ORDER SUITE 2020



Maintenance Managers

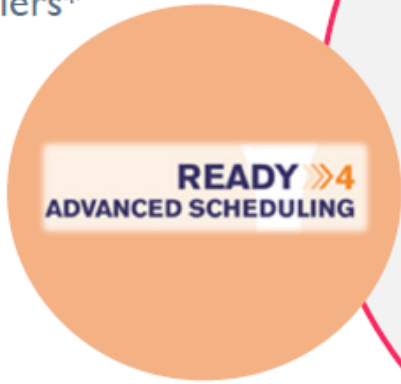
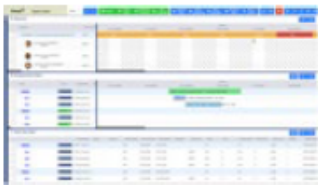
Managers and Supervisors



Maintenance Technicians



Planners/Schedulers*



SAP PLANT MAINTENANCE
OR
CUSTOMER SERVICE
ECC/ S/4 HANA

(+ Material Management, CATS and more)

Asset Monitoring Integration



Many kinds of projects. However

“A good start is half the battle!”

Time and Costs

- License:
 - For 50 Users the license will be between 33,5 – 55 EUR/User per month.
 - SAP Licenses - For PM functions – 1 per mobile user plus annual maintenance. These may already exist; customer acquires separately from SAP or their licensing SAP Partner.
- Implementation cost:
 - S5 estimates that an initial project will need between 180 and 250 hours from S5 consultants with the matching commitment from Customer (min 120 hours)
- Project time:
 - We would expect the project to take between 7 and 11 weeks depending on Customer preference and capacity.

Apple Enterprise Developer Account – if using iOS + annual subscription.

Microsoft Developer Account – if using Windows 10 + annual subscription.

Google Maps – Required for use of GoogleMaps. Not included with BlueWorx, customer acquires separately from Google.

ESRI ARC GIS Maps – Required for use of ESRI Maps. Not included with BlueWorx, customer acquires separately from ESRI.



Consulting

*We help clients **execute change** to add **value** by intelligently **connecting**
People, Things and Business*

Ikke nøl å ta kontakt!