



Collaboration Onshore/Offshore at ConocoPhillips Norway

**A Look Behind the Scenes in an
Onshore Operations Centre (OOC)**

Speaker Presentation

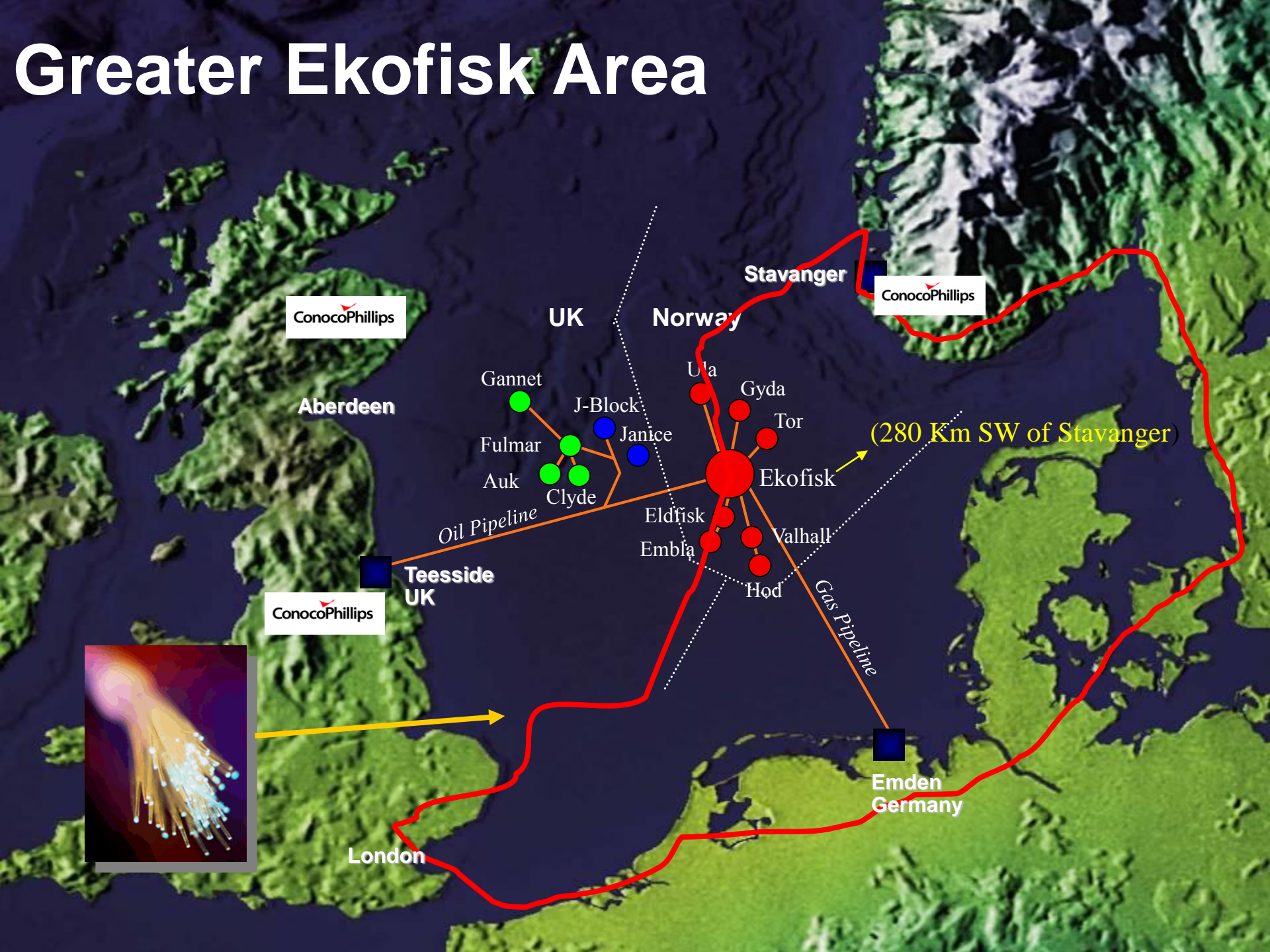
- Henning Lillejord
ConocoPhillips Norway
- Co-speakers:
 - Børre Heggernes
CTO, Amitec AS (Norway)
 - Mike Purcell
Director of Process Industries
Omicron (USA)



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Greater Ekofisk Area



EKOFISK CENTER



The Onshore Operations Center

- Greater Ekofisk Business Center has implemented integrated operations work processes, and established:
 - Onshore Drilling Centre (ODC) in January 2003
 - Onshore Project Centre (OPC) in December 2003
 - Onshore Operations Centre (OOC) in December 2004.
- Tracked benefits exceeds total investments **15x**

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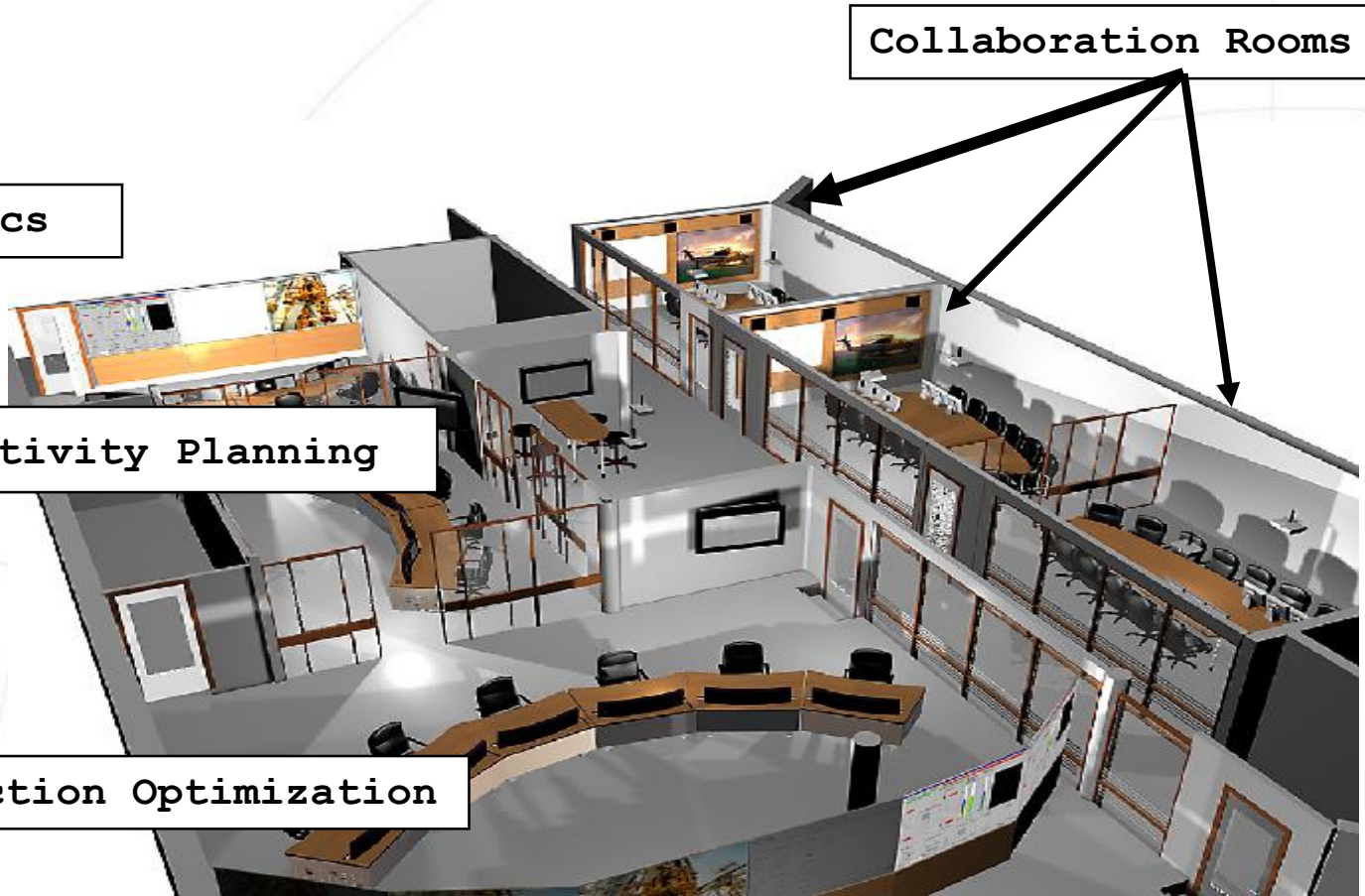
The Onshore Operations Center

Logistics

Collaboration Rooms

Maintenance & Activity Planning

Production Optimization



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OOC Video

- 4 min video showing OOC in action

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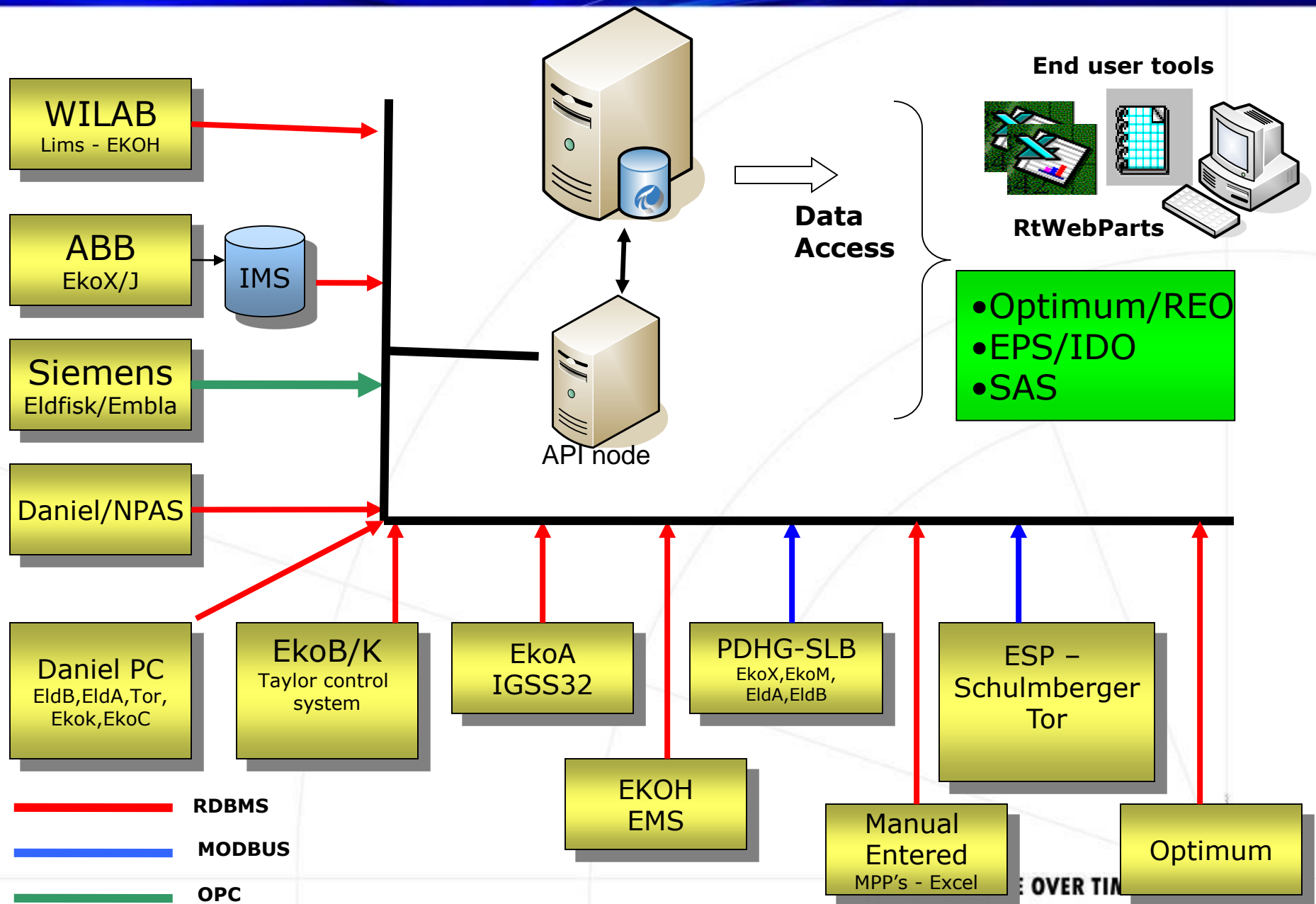


PI at COPNO - Systems and Products

- PI installed 2001
- 10K PI Enterprise server
 - ACE/DAP
- Approx. 100 PI-PB users
- RtWebParts
- SAP
- BI products from SAS Institute
- ...and many others...

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The Colibri Project



- Critical tool in OOC
- International team
 - Customer/Amitec (local VAR)/Omicron
 - Contact established UC2005
- RtPortal Workshop in Nov. 2005
 - RtWebParts based Training, POC, Vision, Plan
- Catalyst for new critical project
- Production Deployment 2Q2006

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Colibri Team & Users

- OOC
- Offshore Operators and Supervisors
- Field Engineers
- Process Engineers
- Maintenance

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The Vision of Colibri

- Collaboration between onshore and offshore
- Achieving production, maintenance and efficiency targets
- Automated real-time warnings
- Consolidated views into real time production and maintenance data
- Leverage existing technology platforms such as Microsoft Sharepoint and OSIsoft tools

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Challenges

- Budget cycles and approval processes
- Positioning of RtPM vs. Other on-going software projects at COPNO
- Gain access to key personnel
 - Always busy

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DEMO

- What you will see:
 - POC only.
 - Production environment to be deployed in summer 2006

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Lessons Learned

- Importance of consistent enterprise real-time platform
 - Single version of the truth
 - Simplified topology/architecture
- Proved the process and the platform
- Work processes and technology improvements must be coordinated jointly

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