

Internet of Things - A Smarter Planet







Virtually all things, processes and ways of working are becoming

An opportunity to think and act in new ways economically, socially and technically.



TEM

Secure Trade Lane allows the tracking of shipments along a supply chain, integrating all involved parties.



(*) TREC= Tamper-Resistant Embedded Controller

IBM Secure Trade Lane comprises a set of services that integrate with various monitoring and tracking technologies and external applications



Reference deployment – Heiniken.

Data from SAP, the TREC, shipping documents and manual entries are stored decentrally and integrated through a central Discov<u>ery Service</u>.





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What is connected?







a 1286 Server Talkrogen den 8 april 2003, mitaniel Herdling







Upstream Oil and Gas Operations

- Large number of complex offshore facilities / plants
- Consolidation and optimization of plant operations required
- Large number of different applications per plant
- Each instance with own unique reference and data model. Example:
 - Real Time historians (warehouse of historical measurements) - One for each asset
 - Hydro Carbon Accounting systems -One for each asset / license
- Integrating additional facilities or introducing new functionality is often difficult, time consuming and costly







IO - Technologies required



Integrated Information Framework - Architecture View



Business Services IIFconstruct Exist apps / other svcs

Real Time Production Visualization Field Overview through IIF



Visualization of data and events across facilities through IIF





We've only just begun to uncover what is possible on a smarter planet.

The world will continue to become smaller, flatter and smarter. We are moving into the age of the globally integrated and intelligent economy, society and planet.

IBM

SISS builds a supply chain visibility layer on top of tracking infrastructure and existing backend systems, enabling information exchange on-demand.



Integration infrastructure for real time data



How it is connected

