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REGIONAL 8 SEMINAR 5

A P A C

The Power of Data



The Future of Business Insight

Presented by

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Agenda

- Manufacturing & Resources Sector the context
- Current State of the BI Market
- Microsoft's approach to Business Insight
- Q&A

Microsoft Manufacturing & Resources Sector – the context



Mining, Oil & Gas

- The hunt for new resources ...
- Staffing
- OH&S. Pollution control, safety, sustainability and social responsibility
- · Becoming more customer centric
- Much more real-time data
- The Cloud



Power & Utilities

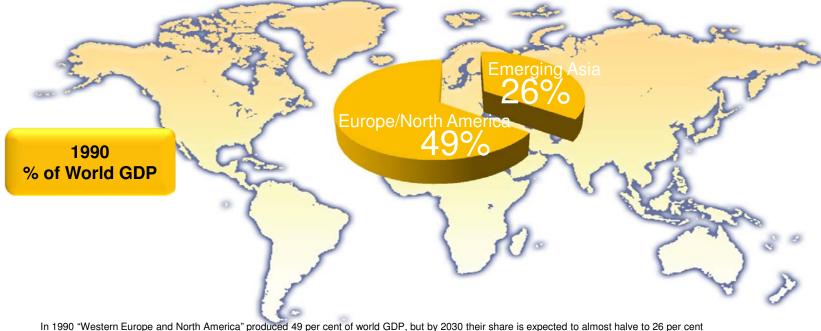
- Aging Infrastructure
- AMI programs
- Staffing
- Retail competition
- Sustainability, Carbon Tax

The common challenge?

Physical asset intensive industries. Time series asset monitoring is critical for transition from "time scheduled" maintenance, to "condition "based maintenance to "predictive "maintenance

Resources Industry – what is driving the opportunity in Australia?

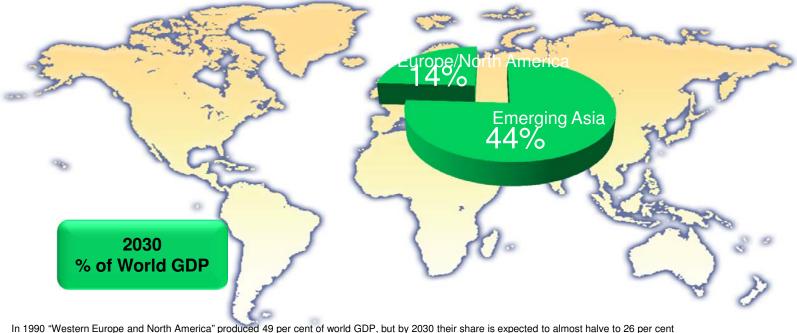
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In 1990 "Western Europe and North America" produced 49 per cent of world GDP, but by 2030 their share is expected to almost halve to 26 per cent
In 1990 Emerging Asia (i.e. ex Japan) produced 14 per cent of world GDP, but is expected to more than triple its share to 44 per cent in 2030
Those are much bigger shifts in the location of global production than were recorded after the industrial revolution, and they are occurring over much shorter timeframes

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A picture tells a thousand stories....

Shenzhen 1982



Shenzhen 2007





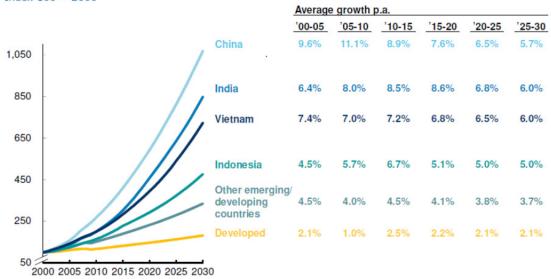
Image source: The Chinese UPLA urban planning network, http://www.upla.cn
Statistic derived from analysis of the United Nations, World Urbanization Prospects, The 2007 Revision Population Database

China needs to build 3 cities larger than Sydney every year until 2030 to accommodate rural to urban migration

Not Just China Economic growth projections - real PPP GDP

REAL PPP GDP

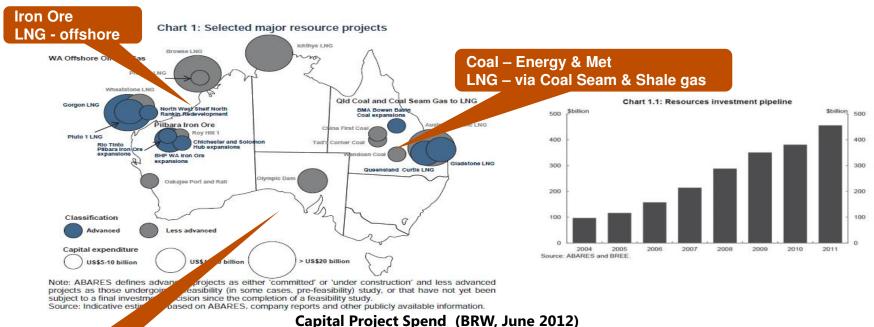
Index 100 = 2000



Source: IMF WEO, 2010; World Bank; Global Insight; Oxford Economic Forecasting; US Department of Agriculture Economic Research Service, 2010; PJP analysis



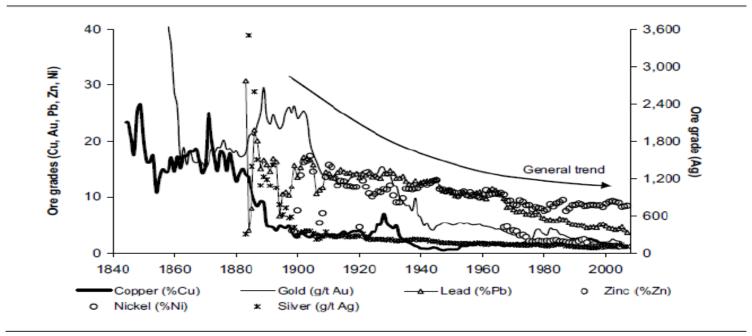
Mining & Resources - Australian Projects & Investment Pipeline



Copper **Uranium**

- Mining & Energy projects in Advanced stage of development = \$2(1b)
- Further \$241b in earlier-stage of development
- Compared with 2000-2010 total spend of \$138b

Decline in Ore Grade body leading to increased reliance on technology

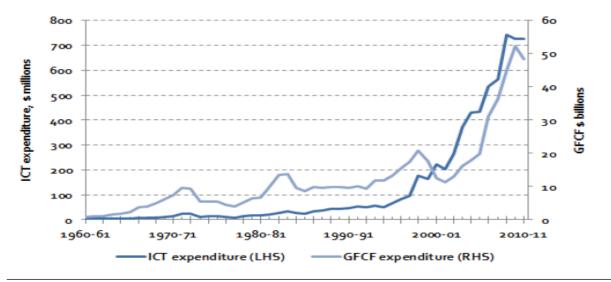


Source: Productivity Commission (2008). Adapted from Mudd (2007).



Oil & Gas, Mining Industry - rising IT spend

Figure 3-1. Gross fixed capital formation in the Australian mining sector – Aggregate and ICT expenditure (\$ nominal)



Notes: Chain volume measures. ICT refers to expenditure on computers and peripherals, computer software, electronics and electrical equipment.

Source: ABS, 5204.0 Australian System of National Accounts; Adapted from Topp et al. (PC), 2008.

Why would the Microsoft Manufacturing & Resource Industry PoV matter to customers?

Microsoft is one of the few GLOBAL companies in the world who cover consumer through to business

White Pages*

Yellow

I am one of 700 people world wide who are part of "industry" at Microsoft. We can provide insight on where the industry is going

The answers to your questions might come from outside your industry



State of Business Intelligence

- finding answers to questions...

Only 28% of potential BI users have any meaningful access

 Business Intelligence Purchase Drivers and Adoption Rates, Gartner 32% of Excel users are comfortable with using it for "Advanced Analysis" e.g., PivotTables

— Excel Segmentation Research

31% of all BI initiatives partially meet or don't meet the business goals originally set

- BI Survey 9, BARC

Knowledge workers spend too much time looking for, not enough time analysing the information.

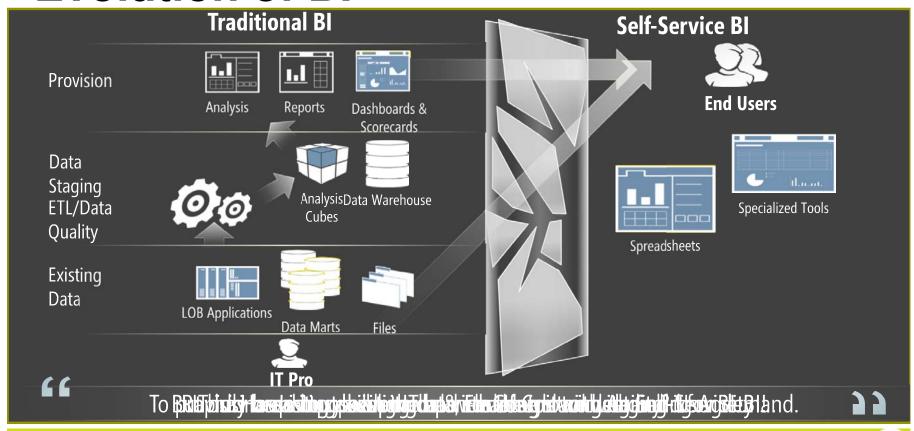
Lines between producers and consumers of information have largely disappeared.

Requirements change way too fast for IT and traditional technology to keep up.

3 3

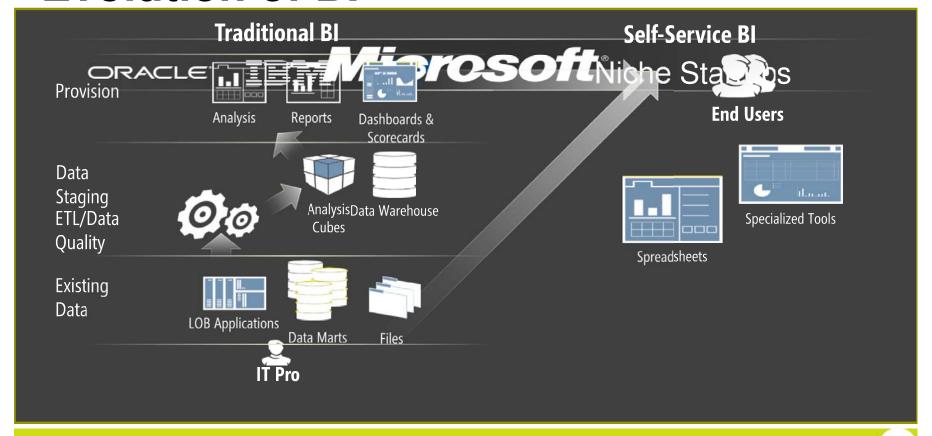
Evolution of BI

Microsoft^{*}



Evolution of BI

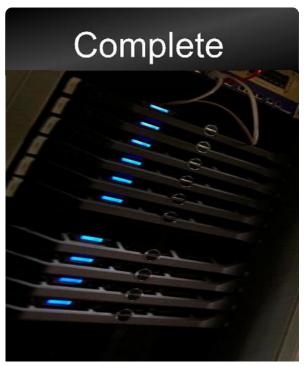
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Microsoft Business Intelligence is......

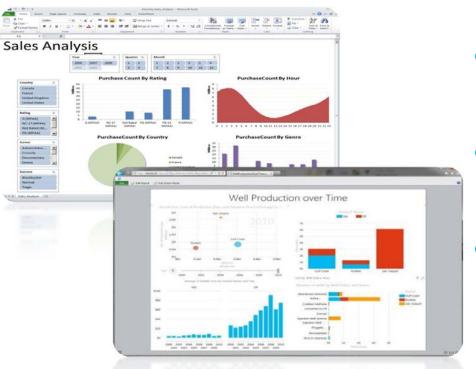








Empowering users through familiar tools



- Familiar experiences for rapid data exploration and discovery with Excel.
 - Powerful data mash-up capabilities for self-service analysis with PowerPivot.
- Rapid data exploration and visualization with PowerView.



Power View



Highly Visual Design Experience

- Interactive, web-based authoring and sharing of information
- Familiar Microsoft Office design patterns
- Powerful data layout with banding, callout and small multiples visualisations



Rich metadata-driven interactivity

- Fully integrated with PowerPivot and BI SM
- Drive greater insight through smart and powerful querying
- Zero configuration highlighting and filtering



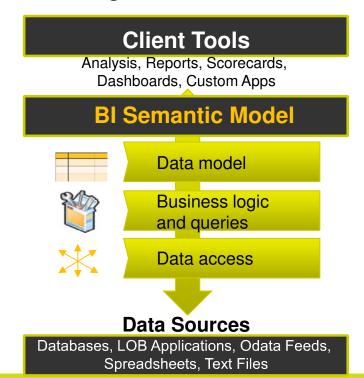
Presentation-ready at all times

- Turn pervasive information into persuasive information
- Deliver and collaborate through SharePoint
- Interactive at all times

Microso

BI Semantic Model

A single model for all End User Experiences



BI Semantic Model

- Enables a wide spectrum of capabilities from dashboards and scorecards to reports and analytics.
- Enhance productivity with design aids and best practices.

New Tabular mode:

- Enable faster iteration and reduce complexity in design.
- In-memory column store technology
- Import PowerPivot Models into BI Development Studio in Visual Studio 2010

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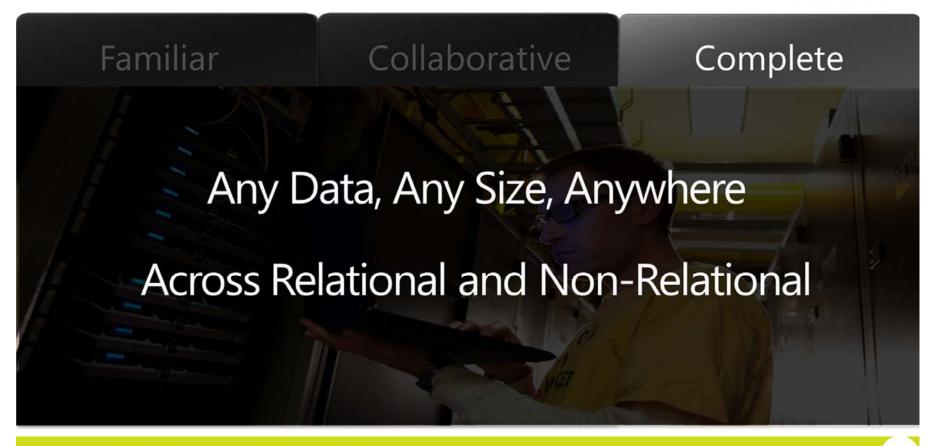
Familiar Collaborative Complete Connect people & information On the most popular collaboration platform

Better decisions through Ease of collaboration

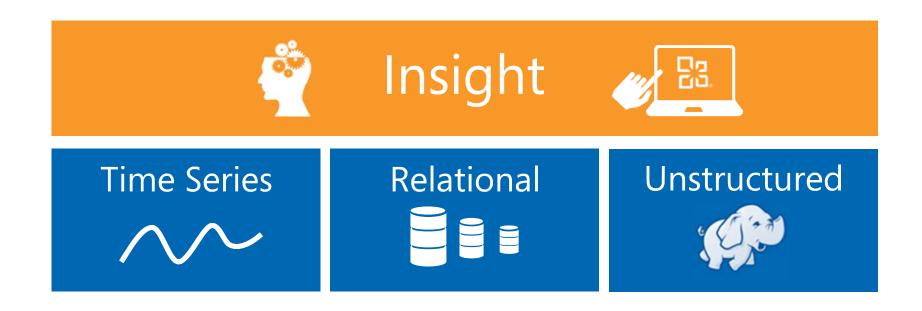


- Find expertise & valuable information
- Connect with colleagues;
- Engage in team discussions and threaded conversations
- Share & collaborate on documents

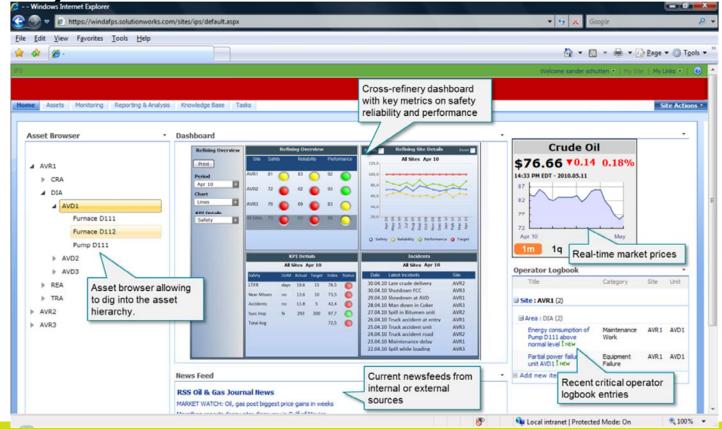
... in SharePoint.



Microsoft[®] Insights for any data, any size, anywhere

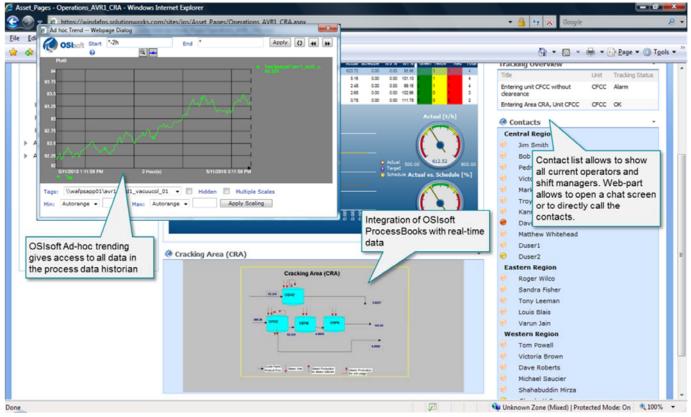


Examples in M&R sector



Examples in M&R sector

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Examples in M&R sector



Demo



Excel 2013 and PowerView





Question of everybody's mind

How many countries have sent more female boxers to the London Olympics than men?

Q&A



THANK



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