Managing Nuclear Knowledge

CQI Nuclear SIG Berkeley Power Station 20th January 2010





Knowledge Management Practices in a Large Engineering Consultancy

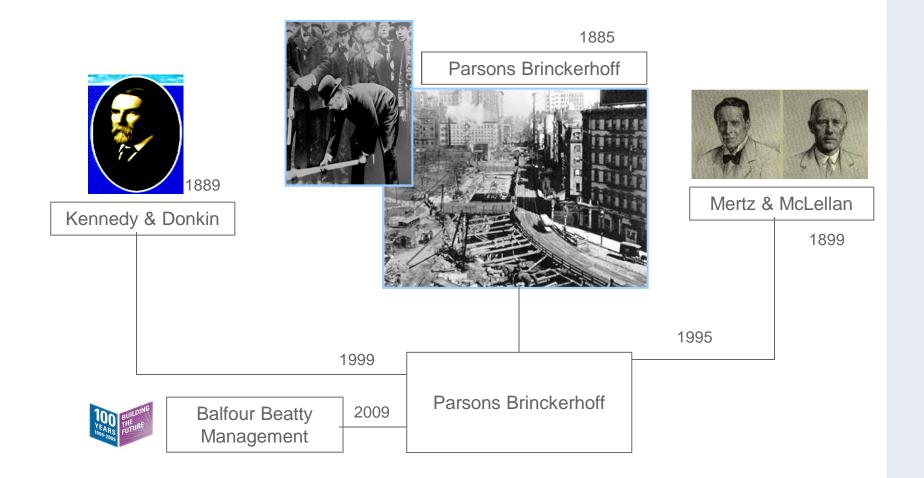


Alan Knott, Technical Director, Parsons Brinckerhoff knott@pbworld.com, +44 (0) 161 200 5151 www.pbworld.com/ea





History of Parsons Brinckerhoff





Infrastructure Engineering Consultancy





Infrastructure Projects





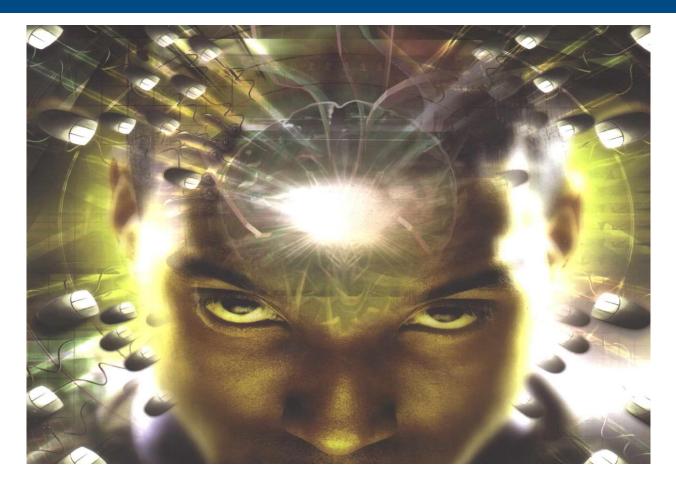








What questions will need an answer?

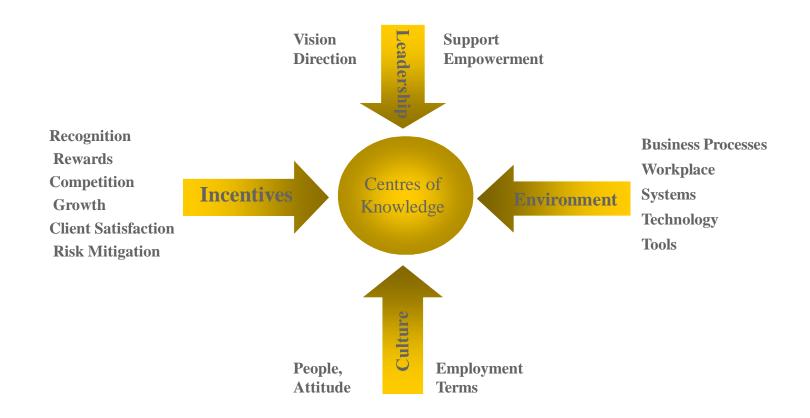


... and how will we answer them?





Knowledge Assets / Centres







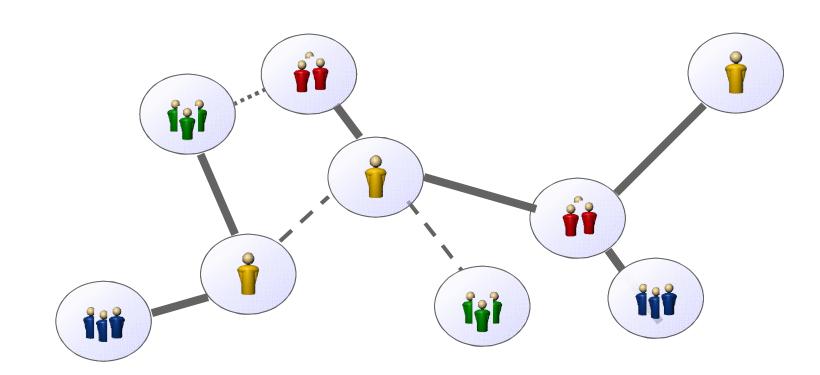
Leadership, Incentives, Environment & Culture

- Fellowships Awards
- Research & Innovation Program
- Competitions Papers and Projects
- Professional Recognition
- Technical Exchange Seminars
- Technical Succession Program
- Knowledge Practice Program
- Knowledge Exchanges, Sharing Sessions & Transfers
- Knowledge Networks PANs & CoPs
- PB University
- KM System Hub





Knowledge Networks PANs & CoPs







Knowledge Networks PANs & CoPs

Practice Area Networks (41)

- **Design & Modelling** Design Visualisation, Software Engineering & Applications, Virtual Design & Construction, Geospatial Services, CAD Applications
- Engineering Services Systems Engineering, Telecommunications Services, Electrical Engineering, Geotechnical, Underground & Tunnelling
- **Environmental** Hazardous Materials, Contamination & Waste Management, Climate Change
- Power & Energy Conventional Thermal Generation, HV Transmission & Distribution Systems, Oil & Gas Processing, Storage & Distribution, Power System Planning, Analysis & Restructuring
- **Transportation** Fixed Guideway Transit Facilities Design, Intelligent Transportation Systems, Highway Design, Bridge Design & Engineering
- Building & Development Sustainable Development, Architecture & Urban Design, Sports & Entertainment Facilities
- Management & Consulting Program Management, Construction Management & Inspection, Safety, Reliability & Risk Management
- Corporate Services Quality, IT, Office Administration

Communities of Practice (39)

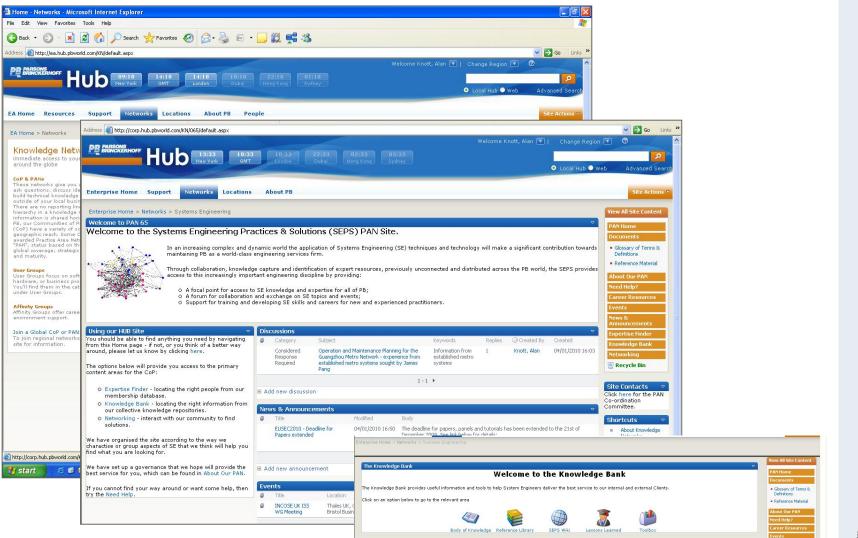
- Water Groundwater, Hydrogeology, Surface Water
- Engineering Services Mechanical, Noise, Civil, Structural



Internal Knowledge Systems

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EA Home > Support > Kno	Knowledge Exchanges, Knowledge Sharing Sessions and Knowledge Transfe		Documents
Welcome to	place at lunchtimes. Each office should have a page on their Hub website for the local	owledge. They are sometimes referred to as 'Brown Bags' (aka 'bring your own food!') and usually take Knowledge Exchanges and a local representative (or two) who helps organise the events (the	PB Papers Library
ne		s of the presenters and organisers by capturing the material used, together with a list of attendees, on t and ask questions of other attendees 'off-line'. It also makes it easier for the event to be re-run in	Lists
CI C	other locations and/or at other times.		Discussions
1 to a los		r local Knowledge Exchange Co-ordinator to find out more and to share your knowledge and	Sites
ne ent	experiences.		People and Groups
ch	 Manchester - Tim Legerton London - Tracey Chong 		Cross Industry KS5
	 Newcastle - Tony Appleton Godalming - Dan Hyde 		Recycle Bin
si s			
	A Knowledge Sharing Session (KSS) is a event brought into PB by our BBM colleagues and this uses a combination of webcast and teleconference technology to deliver regular presentations (usually about 40 minutes around lunchtimes) to both individuals at their desktop PC or laptop and to larger audiences in office conference rooms. The KSS is captured and made available on the intranet for all to access. We are currently working to provide access to recent KSS's and to announce planned KSS's via this part of the Hub so watch this space		
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	Knowledge Transfers are events organised for external audiences, such as Clients and Partners, presented by our senior technical and business leaders. These have been successfully used on projects such as the East London Line Project for Transport for London.		
me Latest Announcements	Godalming Knowledge Events Godalming CPD Events Manchester Office Knowledge Events London Office Knowledge Events Newcastle Office Knowledge Events		
10	Godalming: Knowledge Exchange		
(1)			
Latest Events	Knowledge Sharing Sessions	Knowledge Transfers v Click on the relevant Knowledge Transfer event below to see the presentations given by senior PB	
Latest Events	Knowledge Sharing Sessions		
Latest Events	Knowledge Sharing Sessions C Here is a screen shot of the KSS facility on BBMine - the BBM Intranet which we will be integrating into Hub. In the meantime we have made some 'hot spots' on the image below for the industry sectors for which we have KSS presentations already	Click on the relevant Knowledge Transfer event below to see the presentations given by senior PB staff (mainly as part of the East London Line Project to TfL Clients).	
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Internal Knowledge Systems





External Facing Knowledge Sharing

- Capability Statements
- PB Notes
- Technical Journal PB Network
- Professional Papers
- Technical Articles
- Industry Reports
- Industry & Professional Interest Groups





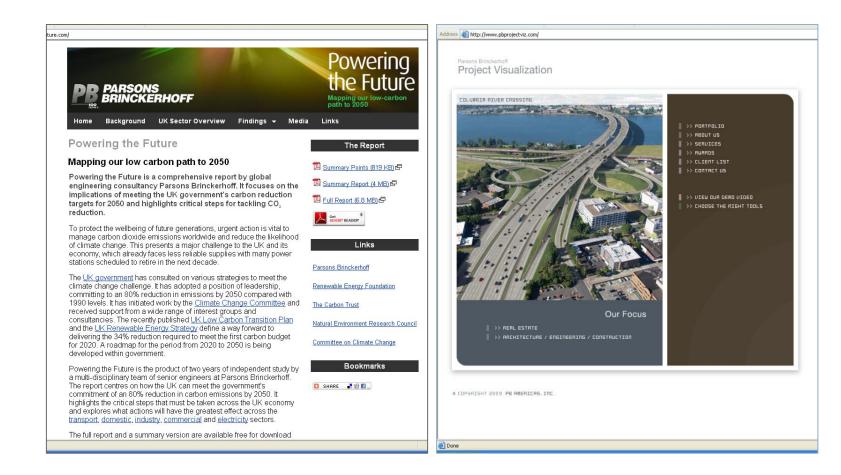
Knowledge Sharing Company Websites







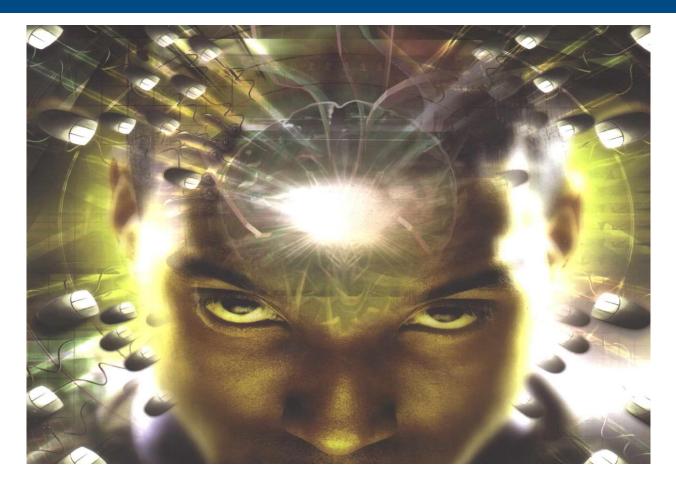
Knowledge Sharing Special Websites







What questions will need an answer?



... and how will we answer them?



