

What I will cover



Begin with the end in mind

Why ECKM matters to us

Our knowledge Assets

JKR KM Agenda and Journey

ECKM Products

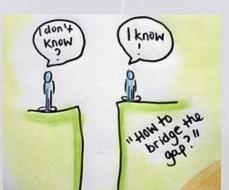


Why ECKM matters to us

Our most critical technical knowledge remains siloed in the organisation – or worse, is heading out the door









Our people work at different locations and are geographically dispersed. Knowledge sharing across the department becomes more challenging. People are not learning from each other and are reinventing the wheel



lack of trust, limited communication and isolation



Vertical

Across levels and hierarchy



Horizontal

Across functions and expertise



Stakeholder

Beyond boundaries of the company with external partners



Demographic

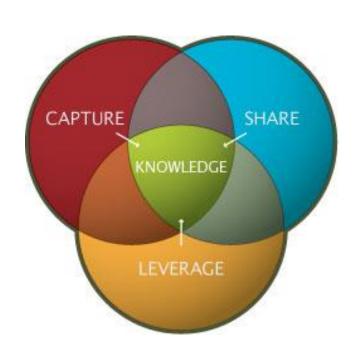
Across diverse groups (e.g., gender, ethic, nationality



Geographic

Across regions and locality http://www.chrisernst.org/w hy-boundary-spanningnetworks/activate-thenetwork/





Easy to find experienced individuals

Enterprise wide knowledge at our finger tips

Improve productivity by reusing "what we know

Improve communication and break down silos

Generate new ideas that can be incorporated into innovative products and processes







Project Lessons Learned

Knowledge sharing STRATE **ECKM** system Outs proj

Jpedia

Co-crea

"A satisfied

Give you the earlies consisten

- whateve

CO-CIES

Centre of To

Be a yardstick of Some people aren an environment w excellence is expe

Leadi

Ashiftas to enviro

e / shife

Innovative Organization

"Innovation distinguishes between a leader and a follower"

Steve Jobs

innovation is the ability to see change as opportunity - not threat

Steve Jobs "Innovation is the ability to see change as opportunity - not threat"

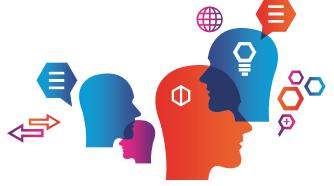
Steve Jobs

CoPs





ISO 9001:2015 - Clause 7.1.6



9001:2015

Organisations need to determine and manage its knowledge to ensure the operation of its processes and that it can achieve **conformity of products and services**



Our Knowledge Assets

Relationships

- know-who

- Social relationship

-eg with experts, stakeholders

Methods

Procedures, processes, workflows

Not all are documented

e.g best practices, checklists, templates

Adapted from Dave Snowden,

'The ASHEN model: an enabler
of action' Knowledge Management
vol.3 issue 7 2000

Natural Talent

- Inherent
- Cannot be constructed/replicated
- e.g art, design

Experience

- Able to identify trends and make sense
- e.g forecasting, negotiations, risk planning

Skills

- Competent in performing tasks
- Acquired through learning and
- e.g project scheduling,

Documents/Data

- Explicit knowledge

Documents/Data

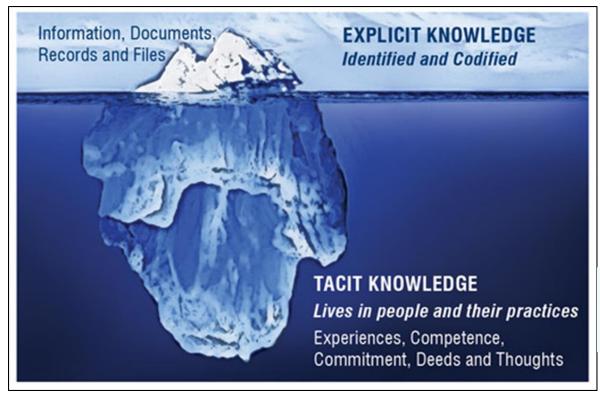
e.g Manuals, SOPs, databases, training kit

Explicit knowledge
 Reg Manuals, SOPs, databases, tn





Types of Knowledge





80%





WILL NOT ONLY

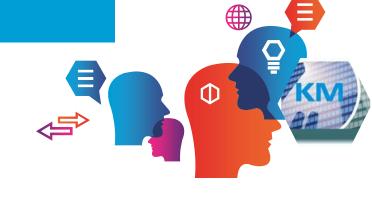
PROVIDE PERFORMANCE SUPPORT FOR EMPLOYEES TO DO THEIR JOB MORE EFFICIENTLY AND EFFECTIVELY BUT WILL ALSO ENHANCE THE INNOVATION CAPACITY OF THE **DEPARTMENT**





The KM Agenda

To cultivate **knowledge sharing and learning culture** across department
through the use of proven **effective knowledge sharing tools**



MAJOR KM INITIATIVES (since 2008)

JPedia, an online repository to share knowledge-in-context)

2

Communities of Practice to share domains of knowledge

3

JCoP, an online platform to ask and discuss

- Project Lessons Learned
 System to share key project
 learnings
- JKR Yellow Pages to locate experts within the department

5

KM Toolbox, set of tools and techniques to capture and share insights and ideas

7

E-Learning to provide 24 x 7 learning environment



KM JOURNEY IN JKR FROM 2008 - 2016

Create The Buzz

 June - Dec ECKM Briefing to ECKM team; Introduction to KM course for ECKM team; ECKM Handbook

Getting Others Involved

 Jan - June
 Set up J/K Pelaksanaan dan Pemantauan Pembudayaan limu
 & Appoint Knowledge Managers:

 Jul - Dec Launched e-PSMG; Briefing at Mesyuarat Pengarah-pengarah and Mesyuarat Jurutera Daerah; Avillon Knowledge Café; Karnival Pembudayaan Ilmu

K-Visits: Knowledge Audit CKUB

More Initiatives

Jan - June
 KM Seminar for top management;
 JPedia Lessons Learned Process;
 L10 Requirements Specs

J-10 Requirements Specs for ECKM Initiatives, Sepang Knowledge Café

 Jul - Dec Content management governance;
 KM Training; KM Seminar for J48 and above; Semarak limu

Inculcating Knowledge Sharing Culture

· Jan - June

JPedia & JCoP Roadshows A'Famosa Knowledge Café K-Visits, K-Managers Meeting HKL Project Lessons Learned Workshop; SUKMA Project Lessons Learned Workshop; Exit interviews

 Jul - Dec Workshops on Sustaining CoPs Wacana Ilmu: JCoP v.2: JCoP survey

Shared Learnings

Jan - June
 PLL Workshops
 PLL Guide
 K-Connect Seminar
 CoP Health Check

Jul - Dec
 JCoP / JPEDIA Roadshow
 KM Audit
 Persada Minda
 Seminar CoP JKR



2009

2010

4

2011

2012

2013

2014

2015

Oo

2016



2008









Quick Wins to Get Buy In

· Jan - June

Talks; KM workshops

Jul - Dec
 Pilot online knowledge
 repository (e-PSMG);
 Developed ECKM
 Framework; ECKM Roadmap
 and Taxonomy

Sell, Sell, Sell

· Jan - June

Workshops to enhance e-PSMG content; ECKM Roadshows; Present Papers at International Conferences; K-Visits; K managers meeting

 Jul - Dec KM Readiness Assessment; Genting Knowledge Caré

Retaining & Transferring Tacit Knowledge

· Feb - June

Cultivate CoPs; JPedia Roadshows; UPNM Lessons Learned Workshop; Story telling Workshop; K-Visits; K managers meeting; Gambang knowledge Café

· Jul - Dec

JCoP portal; Wadah Ilmu; CoP Launching and Seminar; Exit interview

Communicate and Collaborate

· Jan - June

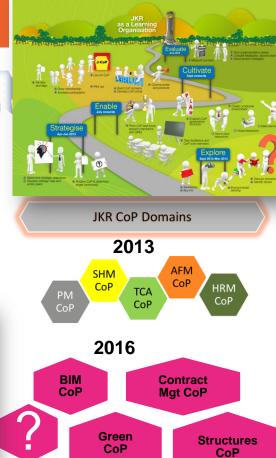
JCoP Newsletter; Seminar CoP for Top Management; Publish CoP guides; K-Visit; Penang K-Café; K managers meeting; JCoP Roadshows; Exit Interviews, JCoP Moderators Workshop; KM Prog, for cadre officers; JCoP day

· Jul - Dec

Persada Minda; JPedia workshop

ECKM products









THE COMMUNITIES OF PRACTICE ACROSS THE WORLD

METHERLANDS



Call's with the Dollah policy some established to debends hoe igenlodge was shared, created and appropriated around problems and lesses. that make to that work.

POLICE

It was determined that appearing autorised experient conscious the motion of averaging pied (withinstone) three traine.

UNITED KINGDOM



The VCoP value was revenued in the number of new profings, rewelling frequency, reamber of one products and now providens and not procedure adigled and the number of authorized brooks burnt.

ALFORDITURE.

CONTRACTOR NAMED IN COLUMN TWO Mr. Acres with and invision politerature However CoPs sall take firms to applies and bebesides to the medium.

SWEDEN



Investories (ofte and repetitional patherners.

CONSTRUCTION

CuP odditive inschmiss unlamated amongst signers, number, speake aspecture and separaterisate.

MALAYSIA



The Coffe, noise counted to observ and learn kesieledge in the Public World Department.

CONSTRUCTION

Minimum used the GaF to loan new maps or advector have not stopp over all practitioners have all over the pagety.

UNITED KINGDOM



Pain of CoPs to organizations.

CONSTRUCTION

CaPs play the rule of generating and defouruplus to the argumization and contribute hower to

SWITZERLAND



Management support element and benefits in Subdrag Sin Colfs.

Perceived beautiful name income effects particular is decise made preside and tall the of information frements.



The Coff detrains over creded to estimate ignorable that is designed to imperpeperiorization.

MANUFACTURING

The GaPs avec shurfared to organisal densities of isototedge over covered in all areas of the take than Policy trut by each member to agity was practiced in their place and come process for recommend to contribute more tracks and

THAIL AND



MALAYSIA

UNITED KINGGOM

CoPs year determined as frois

GaPs in Construction industry play a rule in

proceeding and delivery value in the regular allow

and their contribution business contribution

regionactional partiamento.

CONSTRUCTION



The Cell specimented in the literary ledestry.

CONSTRUCTION

Hambers and the Gall to the communication in sales, New Scittlesport and guide to specifiers.

GERMANY



Official related immaginized page of its Coffs.

CHEMICAL

With management support to activity galdward people bigh automory to employees, the CaPs active jets reliefed problems and improve current



CoPs were recognized as a situategic potential an regional collection learning.

ELECTRONICS

If you hand that network reflection on practice possists of facilitating several intermedions contributes to the contribute and interestional. months by baser is capacitly in increase outring re-spendist por replend Atheritis Burning.

SCUTLAND



CoPs potential application in number year as a galaxier to enhance probablened and educational networking.

NERSING

Belahverettedowning-poditions and academics, to Inlegate Incrementally, the directors of research, wheaten, 1965 practice and one explorer, to sepond to the increasing dominal for which buildshoul and probablished proprotein.

``



JKR KM Online Tools



JPedia

Online Knowledge Repository

- Best Practices
- PM Competency Framework
- Project Lessons Learned
- Technical References and Guides
- Presentations
- Conference Papers



JCoP
Virual Communities of Practice

- CoP Domains
- Subject Matter Experts Profile
- Ask and Discuss Online Platform



Connect People to Content

Connect People to People



m Printable version

1) SURVEY W

2) SOIL INVE In-situ Test

> = Boreho JKR Prc

- Hand A Trial Pit . Cone P Vane SI ■ Plate B Site Labor Sieve A = Moisture Modifie

= Permanent link



Connecting People – The **BEST** Way



Build Network

Keretakan tembok



asked Mar 25, 2014 in Structure by Mastura (170 points)

Bangunan asal sekolah ini empat tingkat.dan hanya satu tangga disediakan. Kemudian, tangga tambahan dibuat pada bangunan tersebut. Sekarang, ada keretakan diantara bangunan asal dengan tangga tambahan tersebut.

commented Apr 1, 2014 by Rosli (4,750 points)

Dinding untuk koridor perlukan stiffner dan dowel bar. Begitu juga dinding tang baru dengan blok sekolah. Jika tidak disedial tiffner + dowel bar, bermaksuc Share Tacit Knowledge ngan mortar dan berat sendir dinding tersebut bergantung har g., i.e pelajar / murid sekolah ada dinding tersebut. Untuk oading ini boleh dirujuk dalam Table

gan lantai koridor pada setiap tingkat. Kemungkinan ada yang retak panyak dan ada juga sedikit pada sambungan antara tangga baru dan blok sekolah. Dikhuatiri pecahan mortar yang jatuh boleh mencederakan kepala pelajar / murid yang melalui di kawasan tangga baru tersebut.

Punca kenapa berlaku "gap" tersebut perlulah diketahui supaya pembaikan dibuat tidak berulang. Sekiranya atas desakan PPD / Pengetua / Guru Besar supaya ambil tindakan segera bagi elak persepsi kurang baik dari ibu bapa / masyarakat setempat, dinding dipecahkan sebahagian kecil sahaja yang berhampiran blok sekolah. Drill rasuk dan masukkan rebar sebagai stiffner dan sediakan dowel bar. Perbetulkan kembali construction joint.

Sekadar pandangan saya. Terima kasih.

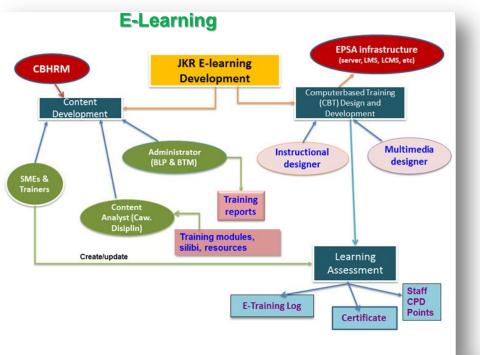
Table 4 - Minimum Horizontal Imposed Loads For Parapets, Barriers and Balustrades, etc

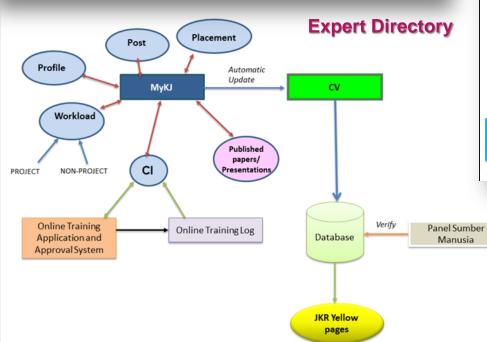
TYPE OF ACTIVITY/OCCUPANCY FOR PART OF THE BUILDING OR STRUCTURE	EXAMPLES OF SPECIFIC USE	HORIZONTAL UNIFORMLY DISTRIBUTED LINE LOAD (kN/M²)	A UNIFORMLY DISTRIBUTED LOAD APPLIED TO THE INFILL (kN/M²)	A POINT LOAD APPLIED TO PART OF THE INFILL (kN)
A Domestic and residential activities	(i) All areas within or serving exclusively one dwelling including stairs, landings etc. But excluding external balconies and edges of roofs (see C3 ix)	0.36	0.50	0.25
	(ii) Other residential, (but also C)	0.74	1.0	0.5
B and E Offices and work areas not included elsewhere including storage areas	(iii) Light access stairs and gangways not more than 600mm wide	0.22	N/A	N/A
	(iv) Light pedestrian traffic routes in industrial and storage buildings except designated escape routes	0.36	0.5	0.25
	(v) Areas not susceptible to overcrowding in office and institutional buildings also industrial and storage buildings except as given above	0.74	1.0	0.5
C Areas where people may congregate C1/C2 Areas with tables or fixed seating	(vi) Areas having fixed seating within 530mm of the barrier, balustrade or parapet	15	1.5	1.5
	(vii) Restaurants and Bars	1.5	1.5	1.5
C3 Areas without obstacles for moving people & not susceptible to overcrowding	(viii) Stairs, Landings, Corridors, Ramps	0.74	1.0	0.5
	(ix) External balconies and edges of roofs. Footways and pavements within building cartilage adjacent to basement/sunken areas	0.74	1.0	0.5
CS Areas susceptible to overcrowding	(xi) Theatres, cinemas, discotheques, bars, auditoria, shopping mails, assembly areas, studio. Footways or pavements greater than 3m wide adjacent to sunken areas	3.0	1.5	1.5
D Retail areas	(xiii) All retail areas including public areas of banks/building societies or betting shops. For areas where overcrowding may occur, see CS	15	1.5	1.5
F/G Vehicular	(xiv) Pedestrian areas in car parks including stairs, landings, ramps, edges or internal floors, footways,	1.5	1.5	15

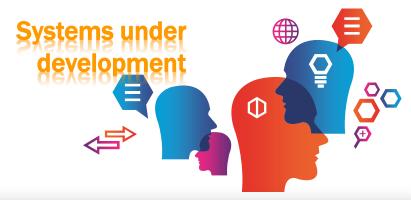


n sememangnya tidak bersambung a dijelaskan oleh Encik Harjit.

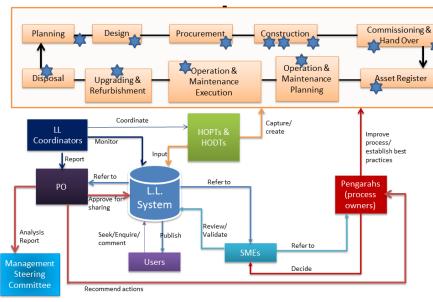






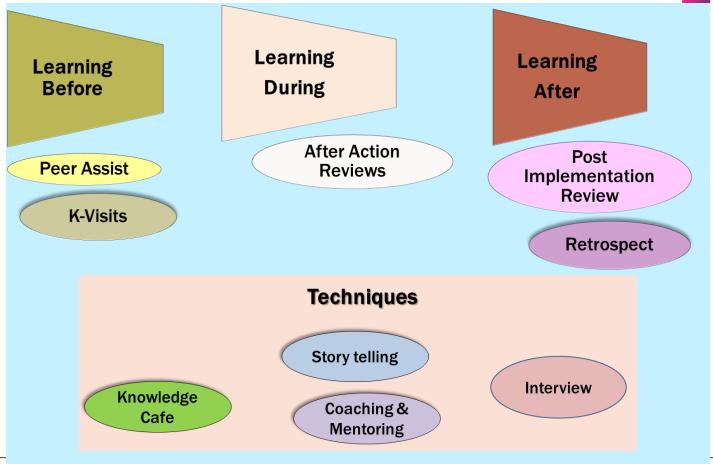


PROJECT LESSONS LEARNED MANAGEMENT SYSTEM





Tools to capture/harvest Knowledge





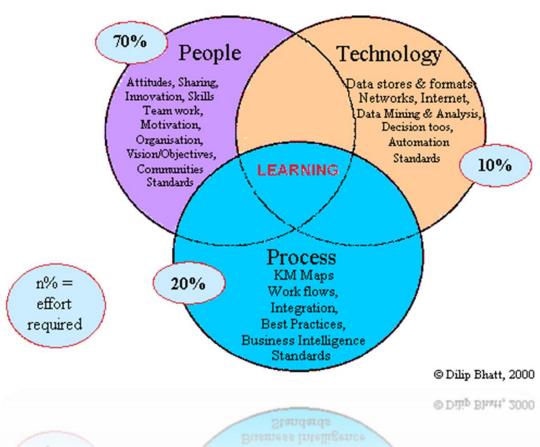


Conclusion





Knowledge Components







Thank you for your attention

Mobile- 019 603 6464 roznita@jkr.gov.my



