

KMIRC知識管理及創新研究中心 Knowledge Management and Innovation Research Centre

Knowledge Audit Methodology for Unstructured Business Processes -Design Based Research Cases in Hong Kong Enterprises

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Problem Definition & Objectives

Performing knowledge audit at the beginning KM journeys in unstructured processes?

Knowledge Elicitation



How to elicit Implicit knowledge? (Experienced Workers in suburb area)

Knowledge Representation

Everyones' work is work in work is work in work in work is work in wor

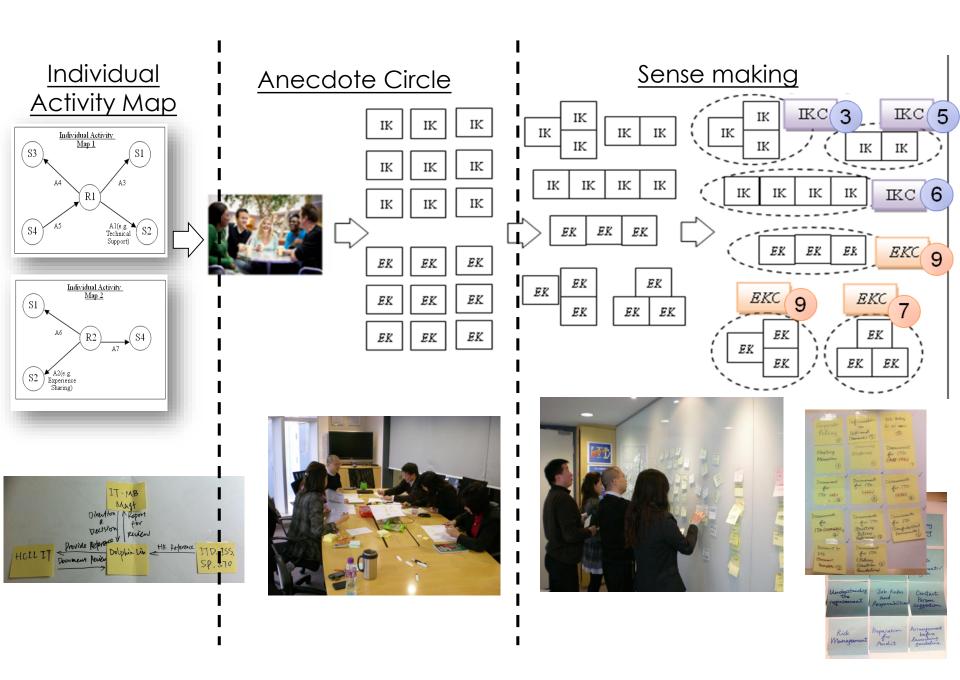
Mental Models



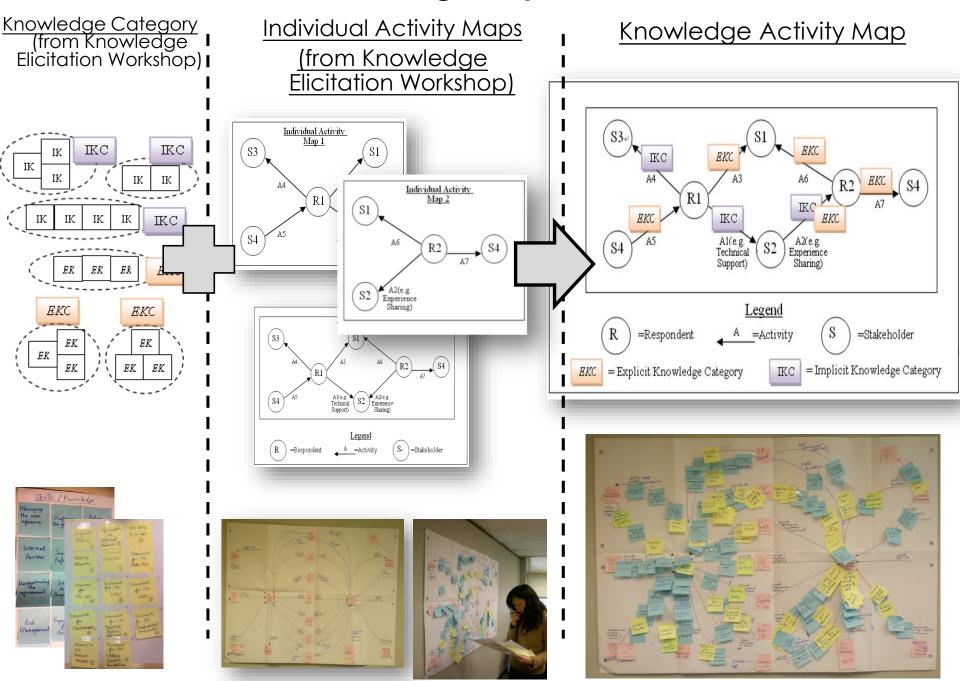
The team
(not the auditor)
know the best!
(Govt.
emergency unit)

New Knowledge Audit Tool

1. Knowledge Elicitation



2. Knowledge Representation

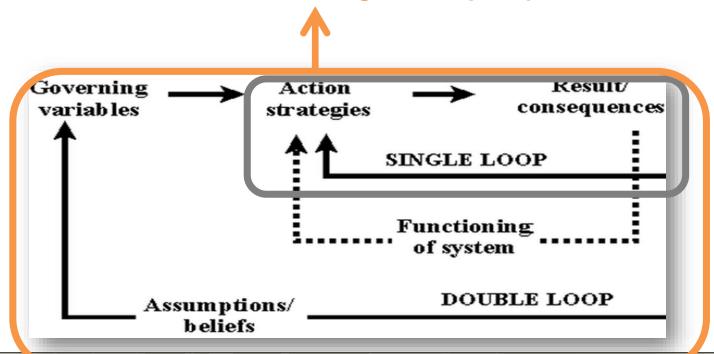


3. Mental Models

Addresses the importance of mental model s (handed to us by culture & personal development etc.)

Paradigm shift from **auditor to facilitator**

Connected to Knowledge Activity Map



Results

- 1. Implicit-Explicit Knowledge Category Ratio
- 2. Critical Implicit Knowledge Categories
- 3. Critical Explicit Knowledge Categories
- 4. Knowledge Categories comparison

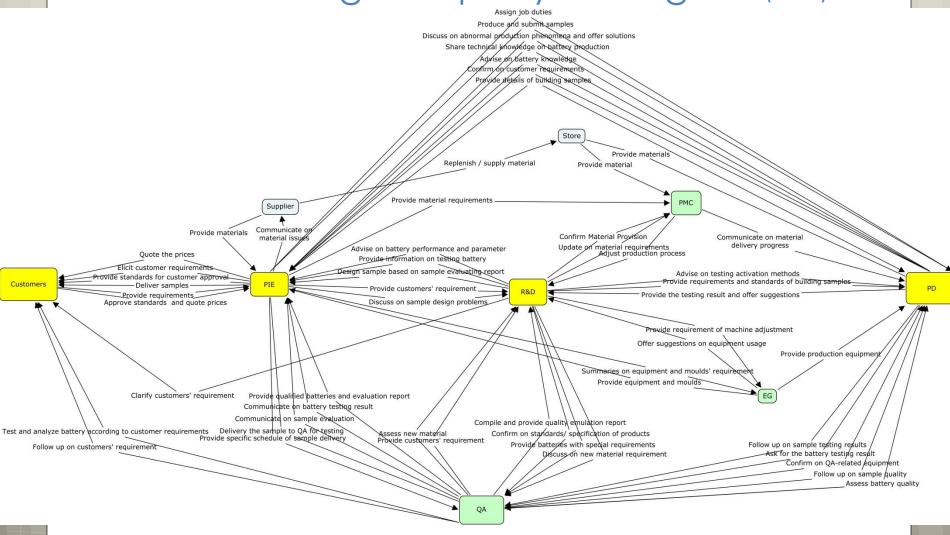
Traditional

- 5. Critical Knowledge Owners
- 6. Critical Knowledge Customers
- 7. Desired Implicit and Explicit Knowledge

This research

- 8. Comparison of Individual Activity Maps
- 9. Comparison of Knowledge Activity Maps
- 10. Mental Model Identification, Reframing & Intervention

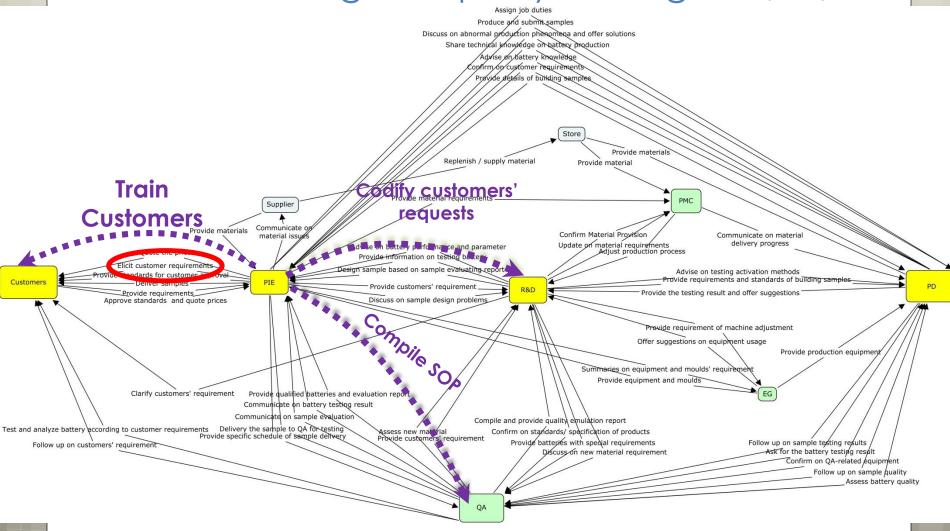
A manufacturing company in Tungkun (東莞)



A manufacturing company in Tungkun (東莞)

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Consequences	Actions/ Activity	Mental Model
Departments are confused with their respective interpretation on customer requirements. This deters the sample production progress. Customers complain on it.	Customers>PIE (Elicit Customer requirement)	 Customers do not have specified requirements Employees do not understand their duties. So, they tends to ignore the responsibility not stated in their job specification.
Validation? Intervention?	 PIE> Customers (customer training) PIE> QA (Codify customers' requests) PD as internal documents) R&D QA> PIE (SOP Compilation) PD R&D 	Customers has the capability to formulate battery specification and production criteria

A manufacturing company in Tungkun (東莞)



Research Significance

Embarking the KM journey with a knowledge audit tools developed for unstructured business processes

Knowledge Elicitation



Implicit Knowledge Elicitation using **story** (anecdote) circle

Knowledge Representation

Date	Employee	Item	Units	U	nit Cost	To	al	
12/20/05	Smith	Pencil	8	\$	22.39	S	179.11	
10/30/05	Jones	Pencil	9	S	17.91	S	161.18	P
4/9/05	Sigan	Pencil	20	S	22.39	S	447.78	/isualize the
2/9/06	Smith	Pencil	67	S	17.91	S	1,199.89	risodiizo irio
5/30/05	Sigan	Pencil	68	s	2.23	S	151.56	
6/8/06	Ballard	Pencil	89	S	5.59	S	497.40	dunamia intaralaw
1/6/06	Jones	Pencil	89	\$	5.59	S	497.40	dynamic interplay
10/13/05	Smith	Mouse Pad	5	\$	140.00	S	700.00	
4/1/06	Ballard	Mouse Pad	13	S	5.59	5	72.65	1
7/29/06	Jones	Mouse Pad	21	\$	140.00	S	2,940.00	natwaan
2/26/06	Sigan	Mouse Pad	39	\$	10.07	5	392.68	petween
3/6/05	Jones	Mouse Pad	43		22.39		962.72	
5/13/05	Sigan	Mouse Pad	53	S	5.59	S	296.21	knowledge,
7/20/05	Ballard	Mouse Pad	53	S	10.07	S	533.65	(nowieaae.
7/12/06	Sigan	Mouse Pad	73	5	10.07		735.02	···• ···• ·· · · · · · · · · · · · · ·
9/9/05		Mouse Pad	74	S	22 39	S	1,656.77	
3/15/06	Smith	Mouse Pad	80	5	16.80	S	1,344.00	activity and
7/3/05	Thompson	Eraser	25	S	2.23	S	65.72	ACIIVIIY UIIU
6/16/05	Ballard	Eraser	83	S	5.59		463.87	
8/6/05	Jones	Eraser	83	S	5.59	S	463.87	Jail - a la a la la a
2/17/05		Eraser	88	5	2.23		196.13	takeholders
				To		81	9.67 (dictionació

Mental Model



Paradigm shift from auditor to facilitator

Address the mental model (handed to us by culture, personal development

The End Thank you!