

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





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

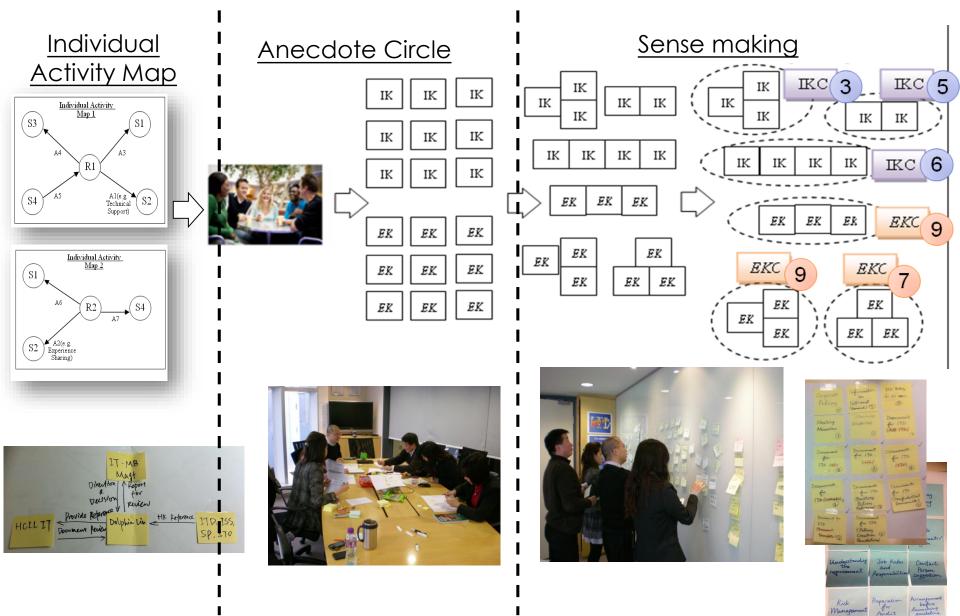
#### Knowledge Representation

Mental Models

Everyones' work is the second dynamic. How the dynamicity could be represented? (Sales Dept.) The team (not the auditor) know the best! (Govt. emergency unit)

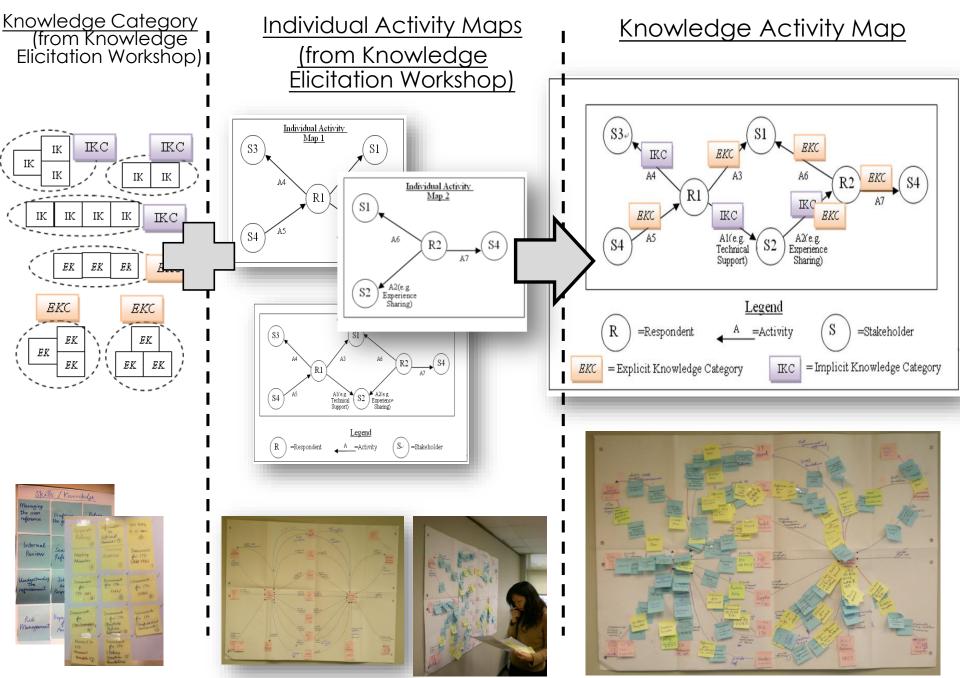
**New Knowledge Audit Tool** 

### **1. Knowledge Elicitation**



Manaper

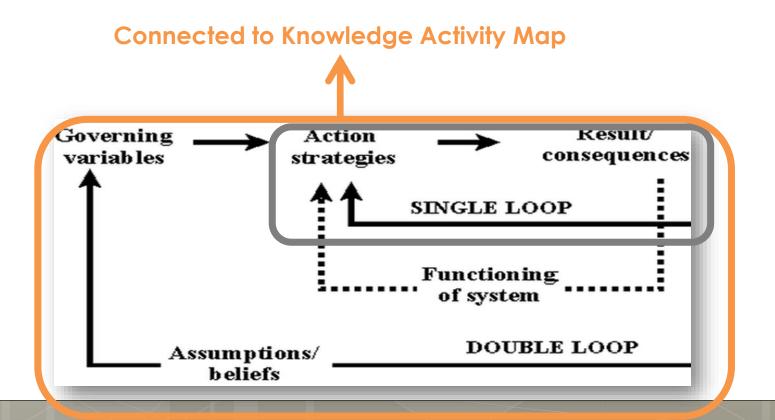
### 2. Knowledge Representation



### 3. Mental Models

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

Paradigm shift from auditor to facilitator



## Results

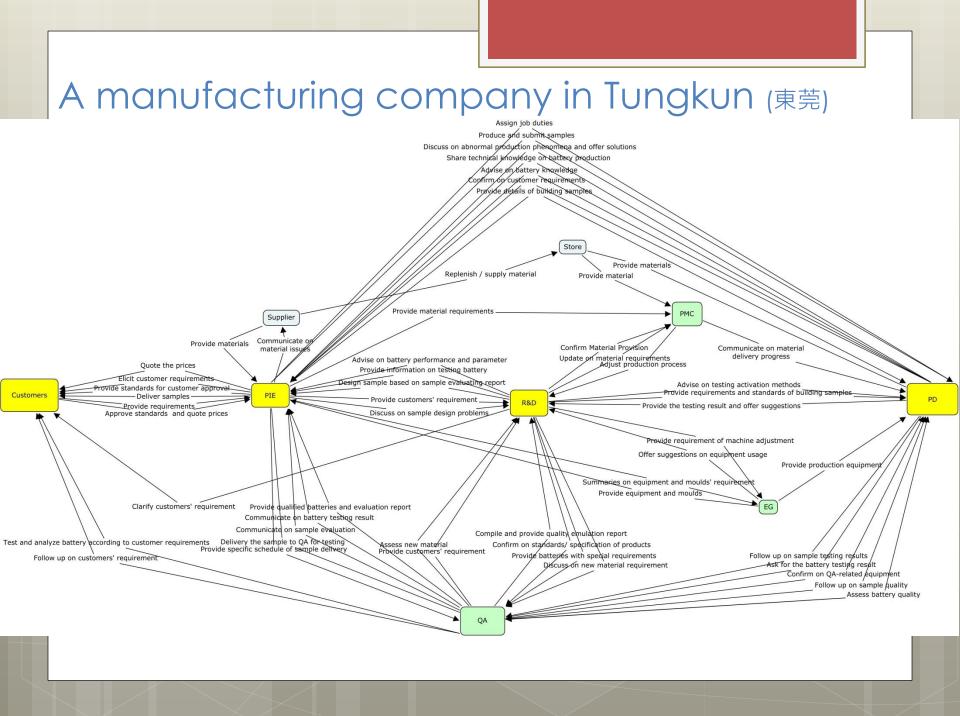
- 1. Implicit-Explicit Knowledge Category Ratio
- 2. Critical Implicit Knowledge Categories
- 3. Critical Explicit Knowledge Categories
- 4. Knowledge Categories comparison
- 5. Critical Knowledge Owners
- 6. Critical Knowledge Customers
- 7. Desired Implicit and Explicit Knowledge
- 8. Comparison of Individual Activity Maps

This research

Traditional

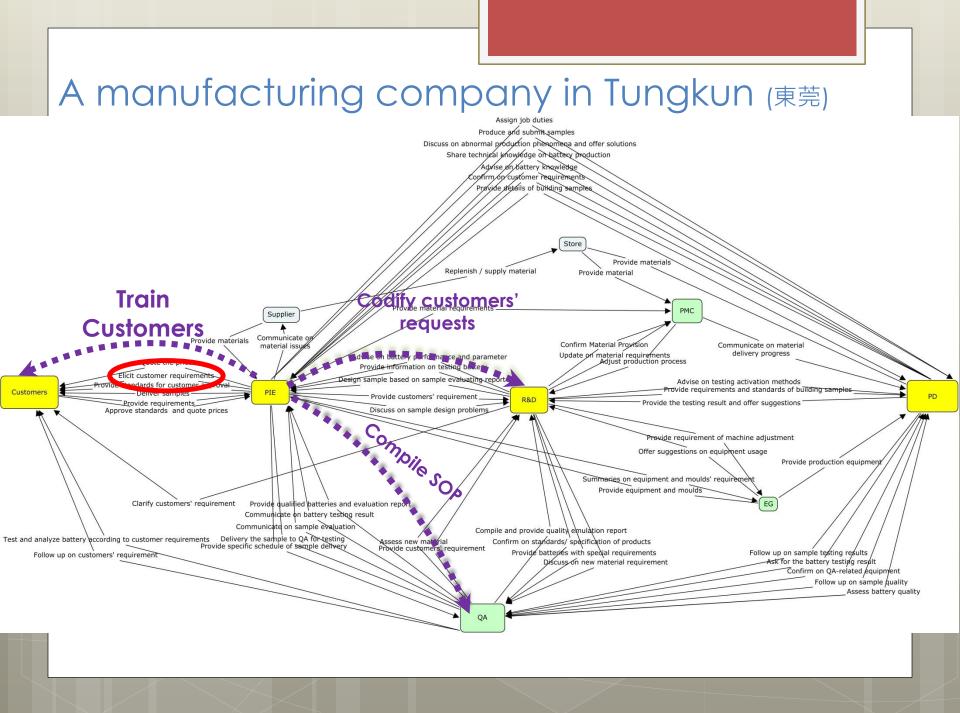
9. Comparison of Knowledge Activity Maps

10. Mental Model Identification, Reframing & Intervention



## A manufacturing company in Tungkun (東莞)

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)	<ul> <li>Customers do not have specified requirements</li> <li>Employees do not understand their duties. So, they tends to ignore the responsibility not stated in their job specification.</li> </ul>
Validation?	<ul> <li>PIE &gt; Customers (customer training)</li> <li>PIE&gt; QA (Codify customers' requests) PD</li> <li>as internal documents) R&amp;D</li> <li>QA&gt; PIE (SOP Compilation) PD R&amp;D</li> </ul>	<ul> <li>Customers has the capability to formulate battery specification and production criteria</li> </ul>



## **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	Un	it Cost	To	tal	
12/20/05	Smith	Pencil	8	s	22.39	s	179.1	
10/30/05	Jones	Pencil	9	s	17.91	S	161.1	
4/9/05	Sigan	Pencil	20	s	22.39	s	447.7	
2/9/06	Smith	Pencil	67	s	17.91	s	1,199.8	Visualize the
5/30/05	Sigan	Pencil	68	s	2.23	S	121 21	
6/8/06	Ballard	Pencil	89	s	5.59	s	497.4	dynamic interplay
1/6/06	Jones	Pencil	89	ş	5.59	S	497.4	
10/13/05	Smith	Mouse Pad	5	s	140.00	s	700.0	
4/1/06	Ballard	Mouse Pad	13	s	5.59	s	72.6	1 1
7/29/06	Jones	Mouse Pad	21	\$	140.00	s	2,940.0	between
2/26/06	Sigan	Mouse Pad	39	\$	10.07	S	392.6	
3/6/05	Jones	Mouse Pad	43	s	22 39	s	962.7	2
5/13/05	Sigan	Mouse Pad	53	s	5.59	s	296.2	knowledge,
7/20/05	Ballard	Mouse Pad	53	s	10.07	S	533.6	knowledde.
7/12/06	Sigan	Mouse Pad	73	\$	10.07	s	735.0	
9/9/05	Smith	Mouse Pad	74	s	22 39	S	1,656.7	
3/15/06	Smith	Mouse Pad	80	\$	16.80	S	1,344.0	activity and
7/3/05	Thompson	Eraser	25	s	2.23	S	55.7	
6/16/05	Ballard	Eraser	83	s	5.59		463.8	
8/6/05	Jones	Eraser	83	s	5.59	s	463.8	ملماره لم ما ما م بم
2/17/05	Ballard	Eraser	88	S	2 23	s	196.1	stakeholders
				Tot		51		

#### Mental Model



Paradigm shift from auditor to facilitator

Address the mental model (handed to us by culture, personal development The End Thank you!