

BEST PRACTICE SHARING

“Cost Saving for Tank Maintenance by Change Management”

**“เปลี่ยนวิธีการจัดการที่ประหยัด
ค่าใช้จ่ายมากกว่า 12 ล้านบาทสำหรับ
งานบำรุงรักษา Tank”**



Credited By; MAMS's TANK Maintenance Team

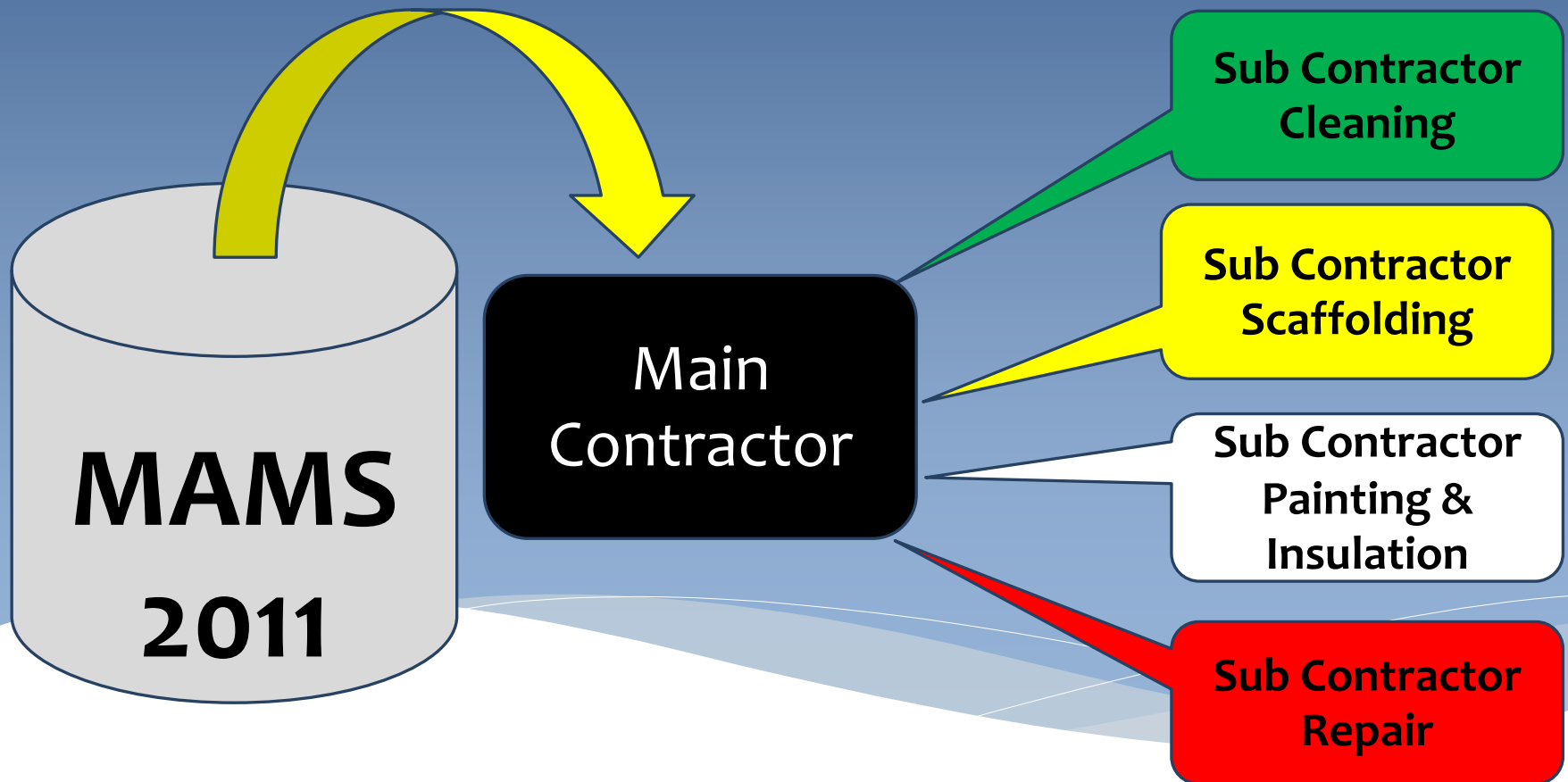
BEST PRACTICE SHARING

“ Cost Saving for Tank Maintenance by Change Management”

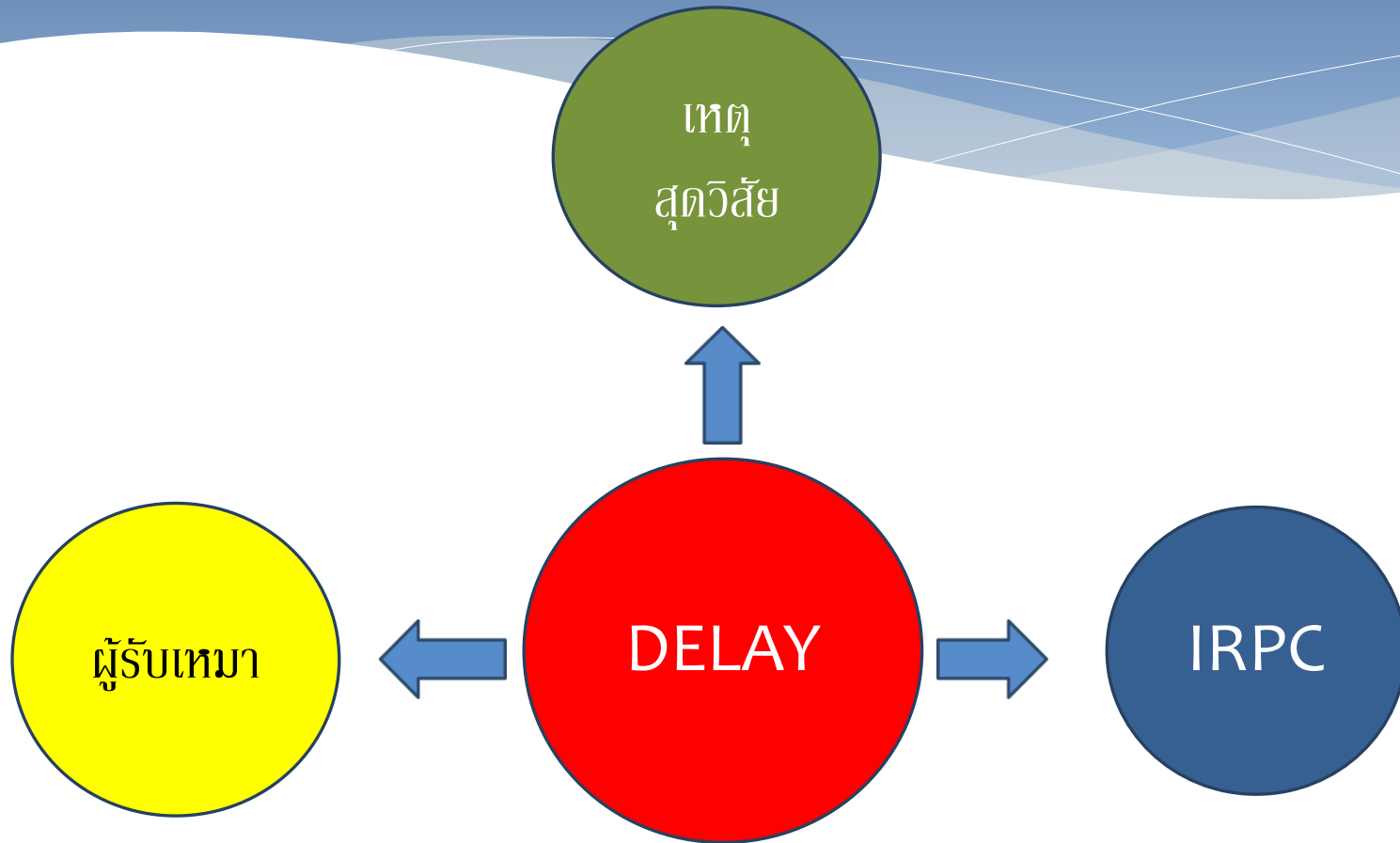
SCOPE

- 1. LONG TERM TANK INSPECTION
(Approx. 20 TANK/ Years)**
- 2. Approximately Cost 200 MB / Years**
- 3. One Contractor for Each Tank for 2011**
- 4. TROUBLE & CAUSE FOR DELAY**

Information Tank Inspection 2011



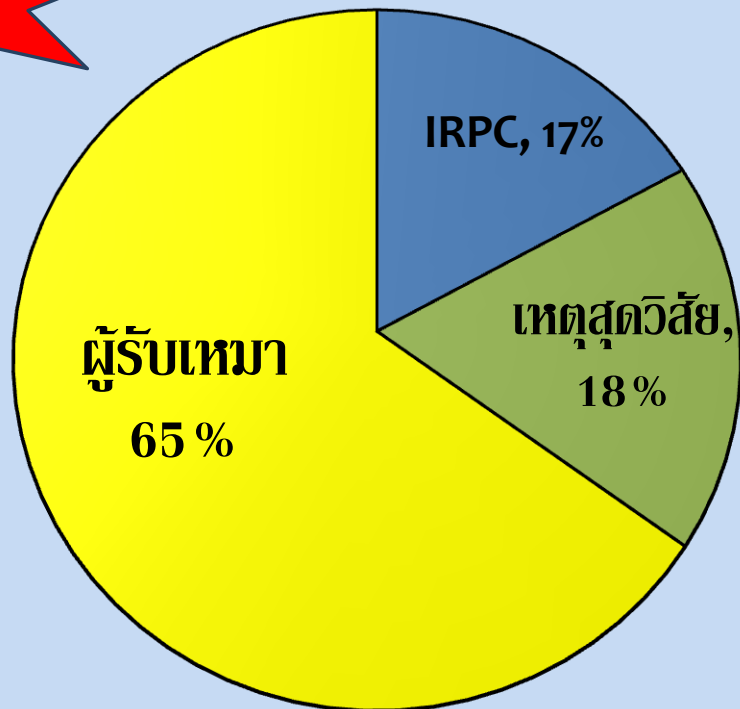
TROUBLE & CAUSE FOR YEAR 2011



OVERALL CAUSE REVIEW

Delay (%)

65 %



IRPC

เหตุสุดวิสัย

ผู้รับเหมา

ล่าช้าจาก **CONTRACTOR**

- *Management Performance of Main Contractor**
- *More Problem (Main Cont.กับ Sub Cont.)**
- * Lack of Manpower**

Contract Strategy for Bidding Year 2012 (High-light)



Information Tank Inspection 2012



**Contractor
Cleaning**

**Contractor
Painting &
Insulation**

**MAMS
2012**

**Contractor
Scaffolding**

**Contractor
Repair**

ประโยชน์ที่ได้รับ

- * Right Contractor
- * No Problem (Main & Sub.)
- * More Contractor for Each Package
- * **COST SAVING**

เหตุผลที่ทำให้ Reduced Cost ได้

- * **No Cost for Managed Sub-Contractor**
- * **More Competitions**

COST COMPARISON TANK INSPECTION 2011 VS 2012



EXAMPLE : Compare Cost 2011 // 2012

2011		2012	
Scope of Work	69T050D	Scope of Work	69T050A
Clean + Scaffolding + Paint + Repair	22,500,000	Clean	4,104,250
		Scaffolding + Paint	16,411,500
		Repair	1,388,750
		Total	21,904,500
		Diff. Cost 2011//2012	-595,500
Scope of Work	69T070A	Scope of Work	69T070B
Clean + Scaffolding + Paint + Repair	15,500,000	Clean	3,291,250
		Scaffolding + Paint	8,673,973
		Repair	306,800
		Total	12,272,023
		Diff. Cost 2011//2012	-3,227,977
Scope of Work	80T001A	Scope of Work	80T001B
Clean + Scaffolding + Paint + Insulation + Repair	30,634,099	Clean	11,000,000
		Scaffolding + Paint	6,992,300
		Insulation	8,107,528.40
		Repair	1,596,250.00
		Total	27,696,078
		Diff. Cost 2011//2012	-2,938,021

Total Compare Cost 2011 // 2012

Cost of Tank Inspection 2011						Cost of Tank Inspection 2012			
Tank No.	Diameter	Product	PO	Cost		Tank No.	Diameter	Product	Cost
14T005B*	15	BDE	3100032576	2,498,615		14T005A*	15	BDE	2,361,792
80T001A	40	Ammonia	3100030562	30,634,099		80T001B	40	Ammonia	27,065,828
61T005C	20.7	Mix Extract	3100036023	3,350,000		61T005A	20.7	Mix Extract	1,901,600
61T035	21.3	Wax	3100036029	4,330,000		61T079	21.3	Wax	2,238,646
61T081*	11.6	PROPANE	3100036021	1,870,049		61T082*	11.6	PROPANE	1,182,400
69T005B	25.5	NAPTHA	3100028789	3,889,000		69T005A	25.5	NAPTHA	3,949,250
69T050D	80	Crude Oil	3100028992	22,500,000		69T050A	80	Crude Oil	21,413,075
	80	Crude Oil	3100028992	22,500,000		69T050C	80	Crude Oil	21,413,075
69T070A	53.7	ATB	3100035376	15,500,000		69T070B	53.7	ATB	12,428,148
69T061A	21.55	WHITE OIL	3100028762	785,046		69T061B	21.55	WHITE OIL	1,248,585
Total cost 2011				107,856,810		Total cost 2012			95,202,400

COST SAVING : 12,654,410 บาท

SAVING : 11.73 %