



OpEx Shared Practice & Applied Practice

ชื่อโครงการ : GREATER BONGKOT SOUTH AUTONOMOUS SYSTEM

บริษัท : PTTEP

คณะทำงาน

GBS-PRODUCTION, (PBS/P)

1. Key Word (Taxonomy)

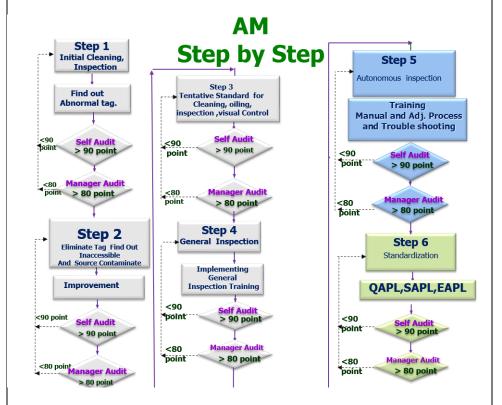
Project Type Operational Improvement	
Business Line	Exploration & Production
Operational Function	Process Engineering
Operational Unit	Electrochlorination Package
Equipment Type	Electrochlorination Package
Product Group	Chemical

2. Project Details

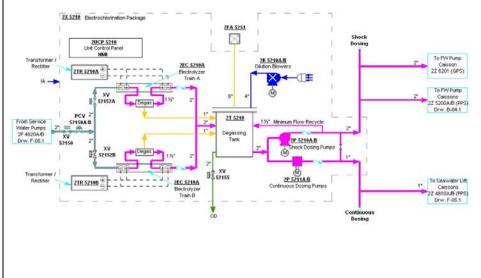
No.	Title	Details
1	Project Name*	(English*) 2X-5210 Electro chlorination package by autonomous system. (Thai) การบำรุงรักษาเครื่องผลิตโซเดียมไฮโปคลอไรต์ด้วยตนเอง
2	Objective*	 To decrease operating and maintenance costs through machine and equipment by zero breakdown. Production with zero accident To do self maintenance by operators
	Project Type (please select)	 ☑ Operation [โครงการที่เกี่ยวข้องกับ core operation ของบริษัท ซึ่งส่งผลโดยตรงต่อประสิทธิภาพหรือประสิทธิผลของการผลิต] ☑ Operation-support [โครงงานที่สนับสนุนและส่งผลโดยตรงต่อการดำเนินงานของสายปฏิบัติการ/ธุรกิจหลัก อาทิ โครงการที่เป็นกิจกรรมใน สายโช่อุปทาน (supply chain) ซึ่งได้แก่ Procurement, Inventory, Logistic, Sale & Marketing]
3	Executive Summary*	 Background This unit function is to generate hypochlorite from seawater. The hypochlorite is used for marine growth and bio fouling prevention in piping. Otherwise, line will be blocked. Hypochlorite is supplied to important unit such as fire water ring main, service water pump and fire water pump. Therefore, continuous injection of hypochlorite is very critical for plant. Method Autonomous or self maintenance by operator Results Decrease loss, operating and maintenance cost. Zero accident from this operating equipment unit. Equipment zero breakdown
3.1	Detail	Thai Premier Multinetional Energy Company Global Festate 100 by ADDI anto populative performance, 1000 by ADDI anto populative performance in the season of

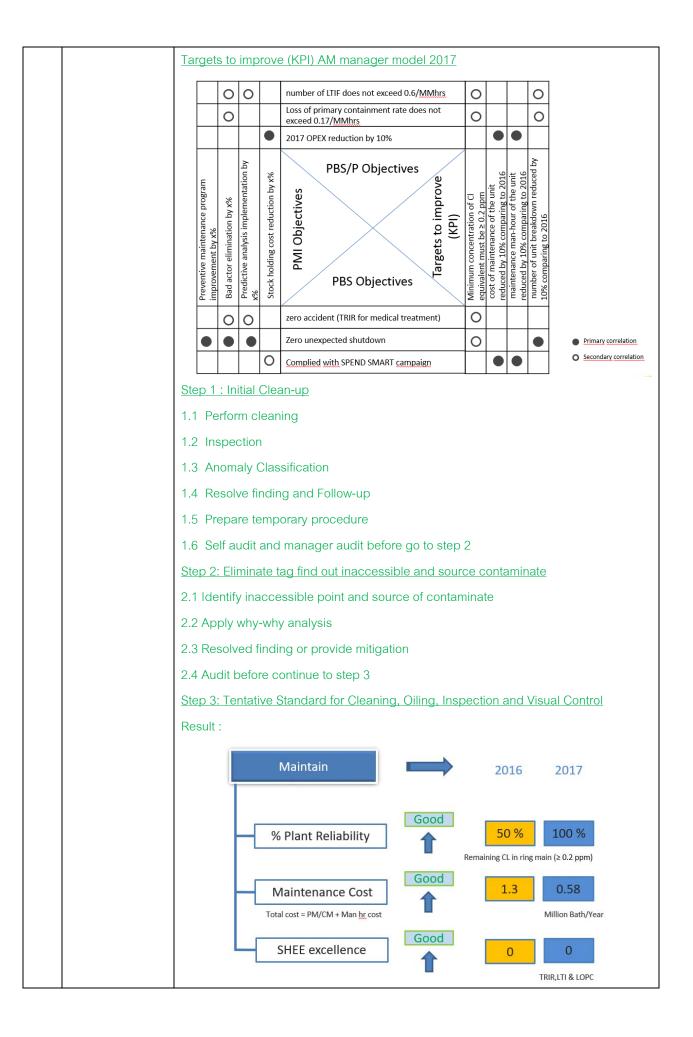
2X-5210 Electro chlorination

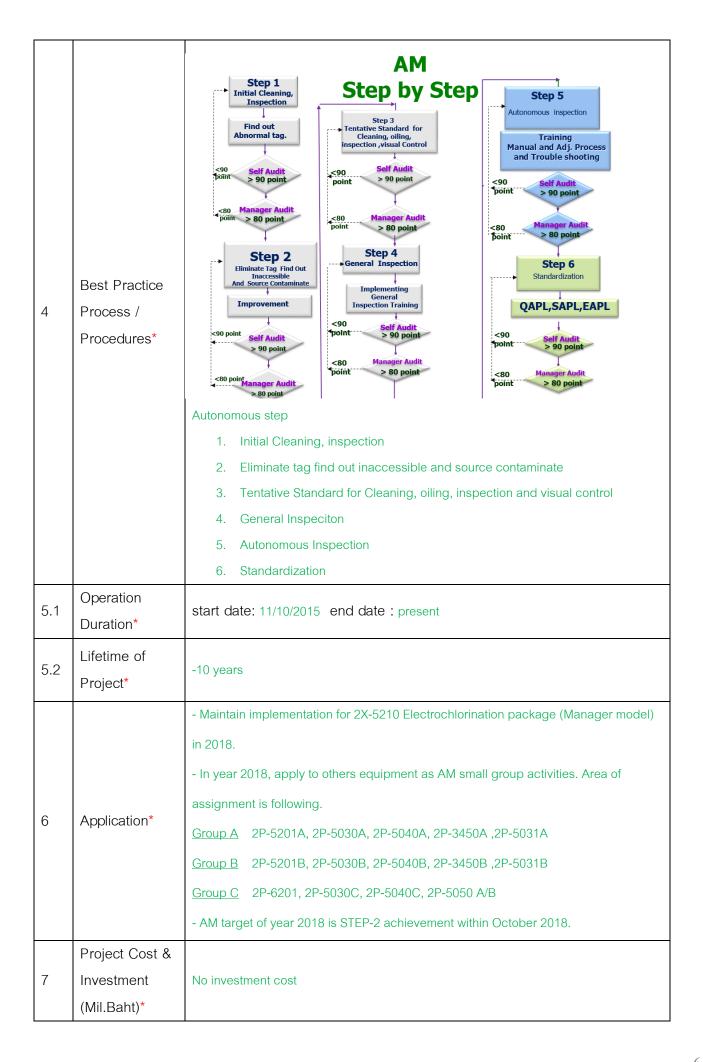
- This unit function is to generate hypochlorite from seawater. The hypochlorite
 is used for marine growth and bio fouling prevention in piping. Otherwise,
 line will be blocked.
- Hypochlorite is supplied to important unit such as fire water ring main, service water pump and fire water pump. Therefore, continuous injection of hypochlorite is very critical for plant.
- 2X-5210 Electro chlorination was selected to be implemented autonomous maintenance and detail step systems as below;

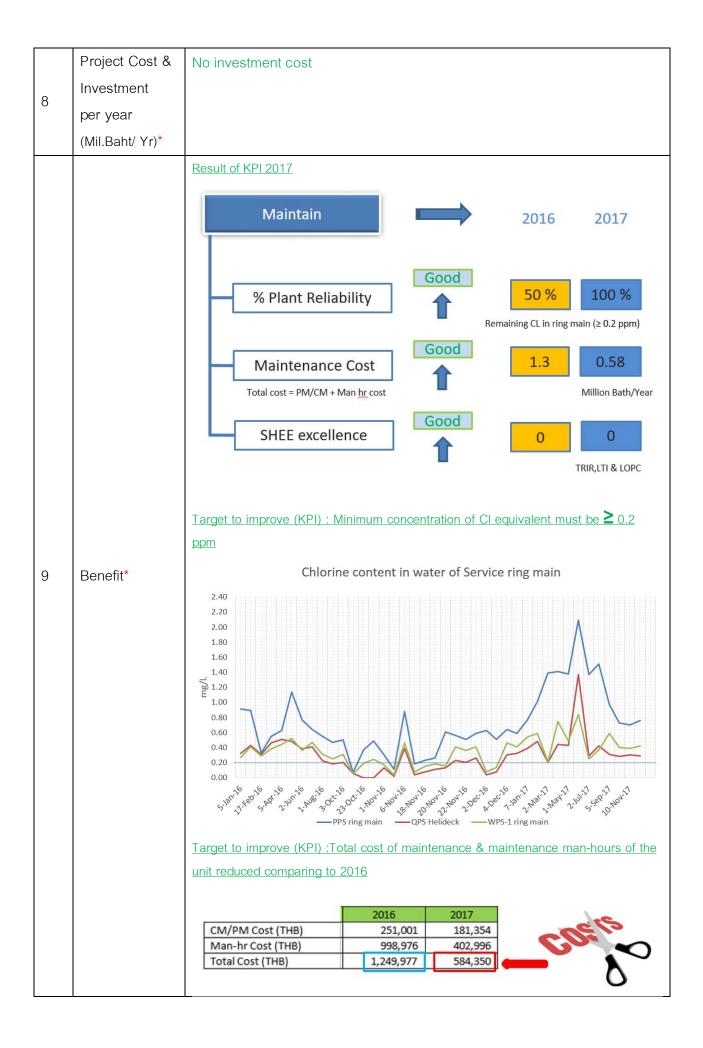


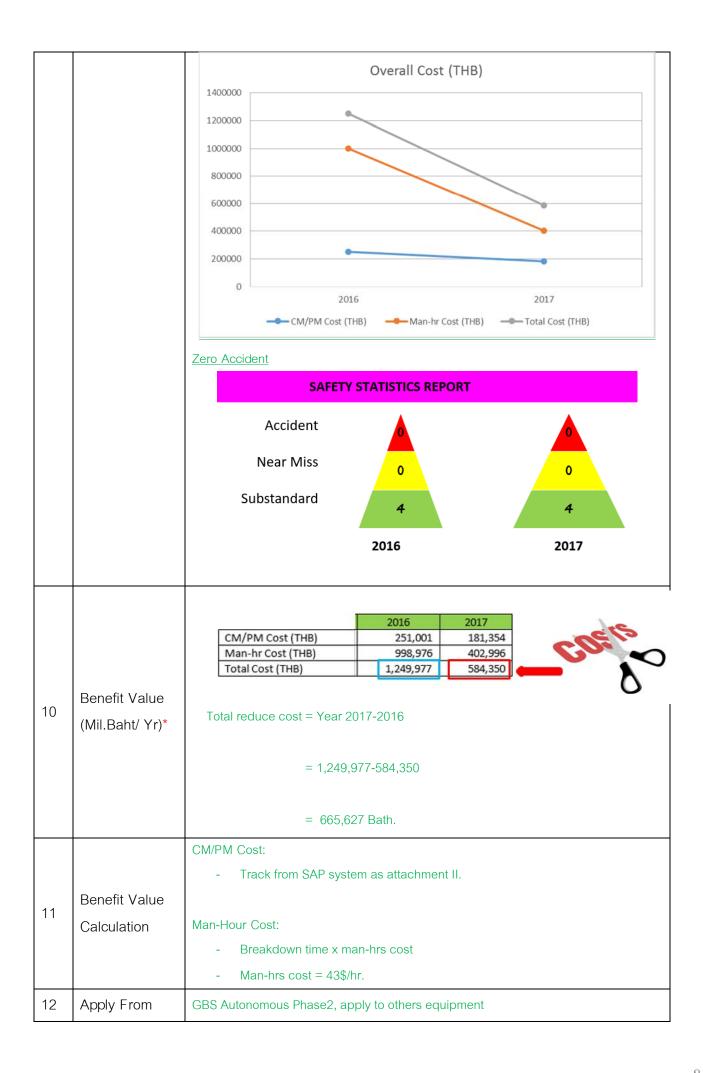
2X-5210 - PFD











13	Company	PTTEP
14	Team member*	-GBS,Production department
15	Contact Person*	Name: Singhtong J. or Chattrawutt H. Phone: 02-537-7917,02-537-7915 Email: GBS.Production-Supv@pttep.com, GBS.Production-Oper@ pttep.com
16	Year Contest	2018
17	Project Type	Operational Improvement
18	Business Line	Exploration & Production
19	OEMS Element	EP Operations
20	Operational Function	Process Engineering
21	Operational Unit	Electrochlorination Package
22	Equipment Type	Electrochlorination Package
23	Product Group	Chemical
24	Community of Practice	-
25	People Tag Account	sompanw@pttep.com paisona@pttep.com
26	People Tag Name	-

1. Support Information

- Attachment I: Autonomous Activities Presentation

- Attachment II: CM/PM Cost & Breakdown time