

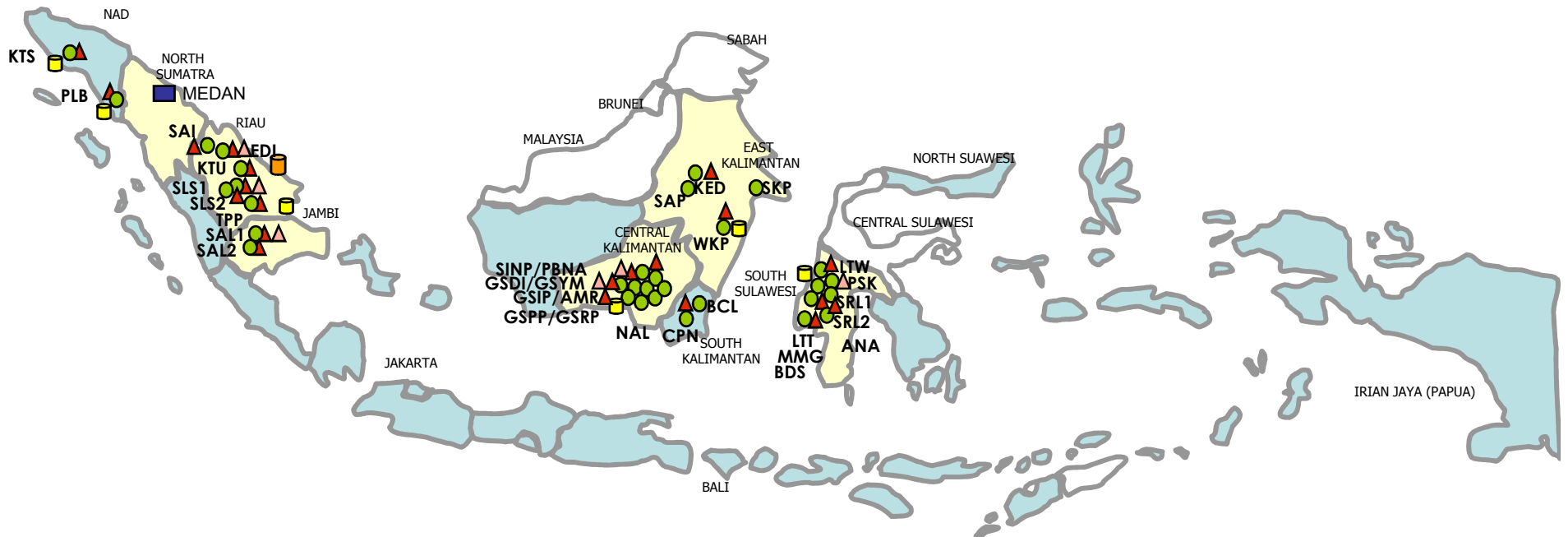
# WHY DO WE MAKE STRATEGIC DECISION TO CHANGE ?

**PT Astra Agro Lestari Tbk.**



**MODIPALM CS SYSTEM 2<sup>ND</sup> FORUM**  
**28 JUNE 2010**

# PT ASTRA AGRO LESTARI TBK AREAS DISTRIBUTION AND MILLS PROFILE



- Oil Palm plantations
- ▲ Palm Oil Mills
- ▲ Palm Kernel Expeller
- Company's main seaport for CPO export
- Port for local and CPO export
- Refinery



# ASTRA AGRO LESTARI MILLS

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**24 MILLS ( OPERATION AND UNDER CONSTRUCTION )**

**4 ( FOUR ) MILLS USING CONTINUOUS STERILIZATION SYSTEM :**

- 1. PT. SAWIT ASAHAN INDAH, CAP. 45 TPH ( OPERATION SINCE DECEMBER 2006 )**
- 2. PT. SURYA INDAH NUSANTARA PAGI, CAP 45 TPH ( OPERATION SINCE APRIL 2008 )**
- 3. PT. KARYA NUSA EKA DAYA, CAP.45TPH ( OPERATION SINCE DECEMBER 2009 )**
- 4. PT. NIRMALA AGRO LESTARI, CAP. 45 TPH ( UNDER CONSTRUCTION )**



# WHY DO WE USE CONTINUOUS STERILIZATION ?

## - SAFETY : OUR CONCERN

*BASE ON EXPERIENCES FROM HORIZONTAL STERILIZER MILLS ( CAPSTAND, CAGE AND CRANES )  
MANY ACCIDENT HAPPENED*

## - ENVIRONMENT

*STEAM DEMAND RELATIVELY CONSTANT . THIS IS IMPORTANT FACTOR FOR REDUCE BLACK  
SMOKE EMISSIONS FROM BOILER*

## - OPERATION & MANPOWER

*SIGNIFICANT REDUCTION IN THE NUMBER OF PROCESS OPERATORS ( COMPARE TO HORIZONTAL  
STERILIZER MILL , REDUCE 9 ( NINE ) OPERATORS/SHIFT ) – 50% LESS OPERATORS AND CAN BE  
MORE EASILY SUPERVISED*

## - EFFICIENCY PROCESS MILL

*SIGNIFICANTLY REDUCE UNSTRIPPED BUNCHES AND LESS UNCOUNTABLE OIL LOSSES AT THE  
RAIL TRACK*

## - MAINTENANCE

*REDUCE THE NUMBER EQUIPMENT FOR MAINTENANCE ( AVOIDING TRANSFER CARRIAGE,  
CRANE/TIPPER, BLOW DOWN SILENCER, TROLEY, ETC )*



# PT. SAWIT ASAHAN INDAH ( SAI ) – 45 TPH



**UNDER CONSTRUCTION START END 2005**



**LOADING RAMP VIEW**



**KERNEL STATIONS AFTER  
9 ( NINE ) MONTH OPERATION**

6 **PT. SURYA INDAH NUSANTARA PAGI ( SINP ) – 45 TPH**



**MILL VIEW**



**PRESSING STATION**



# PT. KARYA NUSA EKADAYA ( KED ) – 45 TPH

*OPERATION SINCE DECEMBER 2009*



**AERIAL VIEW**



## PT. KARYA NUSA EKADAYA ( KED ) – 45 TPH



**DOUBLE DECK CONTINUOUS STERILIZER TO INCREASE  
LIFESPAN OF THE CONVEYOR CHAIN**

## PT. KARYA NUSA EKADAYA ( KED ) – 45 TPH



**USING THE VERTICAL DIGESTER TO MAINTAIN THROUGHPUT**

# PT. NIRMALA AGRO LESTARI ( NAL ) – 45 TPH



**UNDER CONSTRUCTION**



28 JUNE 2010