

## Ongoing Projects (as of June 2020)

### INDUSTRIAL WASTE INCINERATOR WITH WATER-COOLED GRATE

16.6 MW<sub>TH</sub> LAWI ETACOMB® BASIC 200  
GYEONGGI-DO | SOUTH KOREA

COMMISSIONING DATE .....	scheduled Q2 / 2021
DESIGN FUEL .....	SRF (100 % SRF @ 8-15 % water content & LHV 3,500 – 6,000 kcal/kg)
FIRING DESIGN CAPACITY .....	16.6 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	20 tph   15 bar(a)   200 °C
STEAM SUPPLY .....	Saturated steam
SCOPE .....	Engineering and Supply of LAWI EtaComb® Basic 200 with water-cooled grate incineration, Steam boiler design and LAWI EtaLogic® boiler control system

### INDUSTRIAL WASTE INCINERATOR WITH WATER-COOLED GRATE

15.1 MW<sub>TH</sub> LAWI ETACOMB® ECO MS 200  
CHUNGCHEONGNAMDO | SOUTH KOREA

COMMISSIONING DATE .....	scheduled Q4 / 2021
DESIGN FUEL .....	SRF (100 % SRF @ 8.5-38.5 % water content & LHV 3,500 – 5,500 kcal/kg)
FIRING DESIGN CAPACITY .....	15.1 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	19.4 tph   11 bar(a)   185 °C
STEAM SUPPLY .....	Saturated steam
SCOPE .....	Engineering and Supply of LAWI EtaComb® ECO MS 200 Combustion system with water-cooled grate incineration and LAWI EtaLogic® boiler control system (PCC)

### BIOMASS POWER PLANT

9.9 MW COMBUSTION EQUIPMENT – PROJECT 1/2  
YALA | THAILAND

COMMISSIONING DATE .....	Q4 / 2020
DESIGN FUEL .....	Wood Chip (100 % Biomass @ 35-55 % water content & LHV 6,750 – 11,000 kJ/kg)
FIRING DESIGN CAPACITY .....	40 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Components: Moving grate, Fuel dosing, Hydraulic system and Combustion instruments

## BIOMASS POWER PLANT

9.9 MW COMBUSTION EQUIPMENT – PROJECT 2/2

YALA | THAILAND

COMMISSIONING DATE .....	Q1 / 2021
DESIGN FUEL .....	Wood Chip (100 % Biomass @ 35-55 % water content & LHV 6,750 – 11,000 kJ/kg)
FIRING DESIGN CAPACITY .....	40 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Components: Moving grate, Fuel dosing, Hydraulic system and Combustion instruments

## BIOMASS POWER PLANT

28 MW LAWI ETACOMB® 1000

SUPHAN BURI | THAILAND

COMMISSIONING DATE .....	April 2020
DESIGN FUEL .....	Rice Husk, Wood Chip, Bagasse, Wood Bark (100 % Biomass @ 10-55 % water content & LHV 6,500 – 13,000 kJ/kg)
FIRING DESIGN CAPACITY .....	93.7 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	115 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	28 MW <sub>el</sub>
SCOPE .....	Engineering, Consultancy, Supply and Installation of LAWI EtaComb® Components: Moving grate, Gas fans, Hydraulic system, Combustion instruments

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

NAKHON RATCHASIMA | THAILAND

COMMISSIONING DATE .....	June 2019
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip (Supplemental: Bagasse, Cassava, EFB) (100 % Biomass @ 38-58 % water content & LHV 5,400 – 10,000 kJ/kg)
FIRING DESIGN CAPACITY .....	37 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	43 tph   69 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply, Installation and Commissioning of LAWI EtaComb® 400 Combustion System

2019

## WASTE TO ENERGY POWER PLANT

7 MW LAWI ETAPLANT®  
AYUTTHAYA | THAILAND

COMMISSIONING DATE ..... October 2019  
 DESIGN FUEL ..... RDF  
 (100 % RDF @ 10-40 % water content & LHV 7,500 – 19,000 kJ/kg)  
 FIRING DESIGN CAPACITY ..... 30 MW<sub>th</sub>  
 STEAM BOILER DESIGN DATA ..... 35 tph | 53 bar(a) | 450 °C  
 GENERATOR CAPACITY ..... 7 MW<sub>el</sub>  
 SCOPE ..... Engineering, Procurement, Installation and Commissioning of Boiler Island

## BIOMASS POWER PLANT

12 MW LAWI ETAPLANT®  
NABOU OF VITI LEVU | FIJI

COMMISSIONING DATE ..... August 2017  
 DESIGN FUEL ..... Gliricidia  
 (100 % Biomass @ 30-55 % water content & LHV 6,300 – 11,700 kJ/kg)  
 FIRING DESIGN CAPACITY ..... 51.2 MW<sub>th</sub>  
 STEAM BOILER DESIGN DATA ..... 57 tph | 36.3 bar(a) | 440 °C  
 GENERATOR CAPACITY ..... 12 MW<sub>el</sub>  
 SCOPE ..... Engineering, Supply, Installation and Commissioning of Boiler Island

## BIOMASS POWER PLANT

11 MW LAWI ETACOMB® 400  
KAMPHAENG PHET | THAILAND

COMMISSIONING DATE ..... May 2017  
 DESIGN FUEL ..... Rice Husk, Eucalyptus Bark, Wood Chip  
 (100 % Biomass @ 8-50 % water content & LHV 7,000 – 15,000 kJ/kg)  
 FIRING DESIGN CAPACITY ..... 45 MW<sub>th</sub>  
 STEAM BOILER DESIGN DATA ..... 45 tph | 68 bar(a) | 485 °C  
 GENERATOR CAPACITY ..... 11 MW<sub>el</sub>  
 SCOPE ..... Engineering, Supply, Installation and Commissioning of LAWI EtaComb® 400 Combustion System and Fuel conveying system

2017

## BIOMASS POWER PLANT

8 MW LAWI ETACOMB® 350  
TRINCOMALEE | SRI LANKA

COMMISSIONING DATE .....	October 2017
DESIGN FUEL .....	Rice Husk, Gliricidia, Coal (100 % Biomass @ 23-48 % water content & LHV 8,000 – 17,000 kJ/kg)
FIRING DESIGN CAPACITY .....	32 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	36 tph   65.7 bar(a)   485 °C
GENERATOR CAPACITY .....	8 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Consultancy of LAWI EtaComb® 350 Combustion System, Fuel conveying system and ash handling system

## WASTE TO ENERGY POWER PLANT

9.4 MW LAWI ETAPLANT®  
SARABURI | THAILAND

COMMISSIONING DATE .....	June 2017
DESIGN FUEL .....	RDF (100 % RDF @ 10-30 % water content & LHV 12,000 – 17,000 kJ/kg)
FIRING DESIGN CAPACITY .....	45 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	50 tph   53 bar(a)   450 °C
GENERATOR CAPACITY .....	9.4 MW <sub>el</sub>
SCOPE .....	Engineering, Procurement, Installation and Commissioning of Boiler Island

## BIOMASS POWER PLANT

9.5 MW LAWI ETAPLANT®  
SONGKHLA | THAILAND

COMMISSIONING DATE .....	August 2017
DESIGN FUEL .....	Para Wood, Para Root (100 % Biomass @ 30-53 % water content & LHV 6,500 – 11,000 kJ/kg)
FIRING DESIGN CAPACITY .....	40 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.5 MW <sub>el</sub>
SCOPE .....	Engineering, Procurement, Installation and Commissioning of power plant on turn-key bases

2016

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400  
NAKHON SI THAMMARAT | THAILAND

COMMISSIONING DATE .....	October 2016
DESIGN FUEL .....	Para Wood, EFB, Palm Frond (100 % Biomass @ 30-50 % water content & LHV 8,000 – 12,500 kJ/kg)
FIRING DESIGN CAPACITY .....	41 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   67 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering and Supply of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

WINNER OF THAILAND ENERGY AWARD 2018

9.9 MW LAWI ETACOMB® 600  
NAKHON SAWAN | THAILAND

COMMISSIONING DATE .....	September 2015
DESIGN FUEL .....	Rice Husk, Wood Chip (100 % Biomass @ 8-45 % water content & LHV 9,000 – 14,000 kJ/kg)
FIRING DESIGN CAPACITY .....	60 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	65 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering and Supply of LAWI EtaComb® Components: Moving grate, Fans and Instruments

2015

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 450  
BURIRAM | THAILAND

COMMISSIONING DATE .....	June 2015
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip (100 % Biomass @ 40-60 % water content & LHV 4,900 – 9,000 kJ/kg)
FIRING DESIGN CAPACITY .....	41 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   67 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Consultancy, Supply, Installation and Commissioning of LAWI EtaComb® 450 Combustion System and DCS Programming



## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400  
SIRINDHORN | THAILAND

COMMISSIONING DATE .....	May 2015
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip (100 % Biomass @ 50-60 % water content & LHV 4,900 – 9,000 kJ/kg)
FIRING DESIGN CAPACITY .....	39.5 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

WINNER OF THAILAND ENERGY AWARD 2018

9.9 MW LAWI ETACOMB® 400  
PHICHIT | THAILAND

COMMISSIONING DATE .....	April 2015
DESIGN FUEL .....	Rice Husk, Eucalyptus Bark (100 % Biomass @ 12-50 % water content & LHV 6,700 – 13,500 kJ/kg)
FIRING DESIGN CAPACITY .....	40.5 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering and Supply of LAWI EtaComb® Components: Moving grate, Fans and Instruments

2014

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400  
THOEN | THAILAND

COMMISSIONING DATE .....	July 2014
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip (100 % Biomass @ 50-60 % water content & LHV 4,900 – 9,000 kJ/kg)
FIRING DESIGN CAPACITY .....	39.5 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

6 MW LAWI ETACOMB® 300  
MAHIYANGANA | SRI LANKA

COMMISSIONING DATE ..... June 2014  
 DESIGN FUEL ..... Gliricidia  
 (100 % Biomass @ 35-55 % water content & LHV 6,500 – 11,000 kJ/kg)  
 FIRING DESIGN CAPACITY ..... 27.5 MW<sub>th</sub>  
 STEAM BOILER DESIGN DATA ..... 32.9 tph | 68 bar(a) | 485 °C  
 GENERATOR CAPACITY ..... 6 MW<sub>el</sub>  
 SCOPE ..... Engineering, Supply and Installation of LAWI EtaComb® 300  
 Combustion System

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400  
SI CHIANG MAI | THAILAND

COMMISSIONING DATE ..... December 2013  
 DESIGN FUEL ..... Eucalyptus Bark, Wood Chip  
 (100 % Biomass @ 50-60 % water content & LHV 4,900 – 9,000 kJ/kg)  
 FIRING DESIGN CAPACITY ..... 39.5 MW<sub>th</sub>  
 STEAM BOILER DESIGN DATA ..... 45 tph | 68 bar(a) | 485 °C  
 GENERATOR CAPACITY ..... 9.9 MW<sub>el</sub>  
 SCOPE ..... Engineering, Supply and Installation of LAWI EtaComb® 400  
 Combustion System

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400  
KALASIN | THAILAND

COMMISSIONING DATE ..... November 2013  
 DESIGN FUEL ..... Wood Chip, Rice Husk  
 (100 % Biomass @ 14-50 % water content & LHV 7.500 – 12,500 kJ/kg)  
 FIRING DESIGN CAPACITY ..... 40.5 MW<sub>th</sub>  
 STEAM BOILER DESIGN DATA ..... 50 tph | 67 bar(a) | 485 °C  
 GENERATOR CAPACITY ..... 9.9 MW<sub>el</sub>  
 SCOPE ..... Supply and Installation of LAWI EtaComb® 400 Combustion System  
 as a modification of an existing power plant design for efficiency  
 increase

2013



## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

BURIRAM | THAILAND

COMMISSIONING DATE .....	November 2013
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip (100 % Biomass @ 25-50 % water content & LHV 6,500 – 11,000 kJ/kg)
FIRING DESIGN CAPACITY .....	41 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 400 Combustion System and Fuel conveying system

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

PHON THONG | THAILAND

COMMISSIONING DATE .....	June 2013
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip (100 % Biomass @ 50-60 % water content & LHV 4,900 – 9,000 kJ/kg)
FIRING DESIGN CAPACITY .....	39.5 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

20 MW LAWI ETACOMB® 400

KHON KAEN | THAILAND

COMMISSIONING DATE .....	April 2013
DESIGN FUEL .....	Wood Chip, Rice Husk (100 % Biomass @ 10-22 % water content & LHV 9.000 – 14,000 kJ/kg)
FIRING DESIGN CAPACITY .....	80 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	88 tph   67 bar(a)   485 °C
GENERATOR CAPACITY .....	2 x 9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Consultancy, Supply and Installation of LAWI EtaComb® 400 Combustion System



## BIOMASS POWER PLANT

WINNER OF THAILAND ENERGY AWARD 2018

9.9 MW LAWI ETACOMB® 400

THUNG SONG | THAILAND

COMMISSIONING DATE ..... March 2013  
 DESIGN FUEL ..... Para Wood  
 (100 % Biomass @ 35-55 % water content & LHV 6,500 – 11,000 kJ/kg)  
 FIRING DESIGN CAPACITY ..... 40 MW<sub>th</sub>  
 STEAM BOILER DESIGN DATA ..... 45 tph | 67 bar(a) | 485 °C  
 GENERATOR CAPACITY ..... 9.9 MW<sub>el</sub>  
 SCOPE ..... Supply of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

CHOK CHAI | THAILAND

COMMISSIONING DATE ..... January 2013  
 DESIGN FUEL ..... Eucalyptus Bark, Wood Chip  
 (100 % Biomass @ 50-60 % water content & LHV 4,900 – 9,000 kJ/kg)  
 FIRING DESIGN CAPACITY ..... 39.5 MW<sub>th</sub>  
 STEAM BOILER DESIGN DATA ..... 45 tph | 68 bar(a) | 485 °C  
 GENERATOR CAPACITY ..... 9.9 MW<sub>el</sub>  
 SCOPE ..... Engineering, Supply and Installation of LAWI EtaComb® 400  
 Combustion System

2012

## BIOMASS POWER PLANT

7.5 MW LAWI ETACOMB® 300

KAMPHAENG PHET | THAILAND

COMMISSIONING DATE ..... December 2012  
 DESIGN FUEL ..... Wood Chip, Eucalyptus Bark  
 (100 % Biomass @ 40-55 % water content & LHV 6.500 – 11,000 kJ/kg)  
 FIRING DESIGN CAPACITY ..... 30 MW<sub>th</sub>  
 STEAM BOILER DESIGN DATA ..... 33 tph | 68 bar(a) | 485 °C  
 GENERATOR CAPACITY ..... 7.5 MW<sub>el</sub>  
 SCOPE ..... Engineering, Supply and Installation of LAWI EtaComb® 300  
 Combustion System, Ash handling system, Fuel conveying system  
 and Steam turbine

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

PRASAT | THAILAND

COMMISSIONING DATE .....	October 2012
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip (100 % Biomass @ 50-60 % water content & LHV 4,900 – 9,000 kJ/kg)
FIRING DESIGN CAPACITY .....	39.5 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

17 MW LAWI ETACOMB® 600

SURIN | THAILAND

COMMISSIONING DATE .....	September 2012
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip, Rice Husk (100 % Biomass @ 10-40 % water content & LHV 9,000 – 14,000 kJ/kg)
FIRING DESIGN CAPACITY .....	60 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	67 tph   66 bar(a)   485 °C
GENERATOR CAPACITY .....	17 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 600 Combustion System

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

ROI ET | THAILAND

COMMISSIONING DATE .....	June 2012
DESIGN FUEL .....	Eucalyptus Bark, Rice Husk (100 % Biomass @ 12-58 % water content & LHV 5.800 – 13,500 kJ/kg)
FIRING DESIGN CAPACITY .....	40 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   66 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

NAM PHONG | THAILAND

COMMISSIONING DATE .....	May 2012
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip (100 % Biomass @ 50-60 % water content & LHV 4,900 – 9,000 kJ/kg)
FIRING DESIGN CAPACITY .....	39.5 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

BAN BUENG | THAILAND

COMMISSIONING DATE .....	April 2012
DESIGN FUEL .....	Eucalyptus Bark, Wood Chip (100 % Biomass @ 50-60 % water content & LHV 4,900 – 9,000 kJ/kg)
FIRING DESIGN CAPACITY .....	39.5 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

KORAT | THAILAND

COMMISSIONING DATE .....	October 2011
DESIGN FUEL .....	Rice Husk (100 % Biomass @ 8-40 % water content & LHV 9.000 – 14,000 kJ/kg)
FIRING DESIGN CAPACITY .....	40 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   67 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 400 Combustion System

2011

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 400

THAP SAKAE | THAILAND

COMMISSIONING DATE .....	October 2011
DESIGN FUEL .....	Wood Chip, Coconut Fiber, Palm Stalk (100 % Biomass @ 30-50 % water content & LHV 6,500 – 11,000 kJ/kg)
FIRING DESIGN CAPACITY .....	42 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	45 tph   42 bar(a)   455 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Supply and Installation of LAWI EtaComb® 400 Combustion System

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 600

UTHAI THANI | THAILAND

COMMISSIONING DATE .....	February 2011
DESIGN FUEL .....	Bagasse (100 % Biomass @ 35-60 % water content & LHV 6,500 – 11,000 kJ/kg)
FIRING DESIGN CAPACITY .....	55 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	60 tph   68 bar(a)   485 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 600 Combustion System

2009

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 500

CHUMPORN | THAILAND

COMMISSIONING DATE .....	April 2009
DESIGN FUEL .....	Palm Leaves, EFB
FIRING DESIGN CAPACITY .....	46 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	50 tph   42 bar(a)   410 °C
GENERATOR CAPACITY .....	9.9 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 500 Combustion System

## BIOMASS POWER PLANT

7.5 MW LAWI ETACOMB® 300

SUPHAN BURI | THAILAND

COMMISSIONING DATE .....	March 2009
DESIGN FUEL .....	Rice Husk
FIRING DESIGN CAPACITY .....	32.5 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	35 tph   69 bar(a)   490 °C
GENERATOR CAPACITY .....	7.5 MW <sub>el</sub>
SCOPE .....	Engineering, Supply and Installation of LAWI EtaComb® 300 Combustion System and PLC Control system for steam boiler

## BIOMASS POWER PLANT

10 MW LAWI ETACOMB® 500

BURIRAM | THAILAND

COMMISSIONING DATE .....	October 2008
DESIGN FUEL .....	Rice Husk, Bark, Corn Cob
FIRING DESIGN CAPACITY .....	50 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	55 tph   67 bar(a)   485 °C
GENERATOR CAPACITY .....	10 MW <sub>el</sub>
SCOPE .....	Engineering, Consultancy, Supply and Installation of LAWI EtaComb® 500 Combustion System, Fuel conveying system, Ash handling system and DCS control system

## BIOMASS POWER PLANT

10 MW LAWI ETACOMB® 500

TRINCOMALEE | SRI LANKA

COMMISSIONING DATE .....	August 2008
DESIGN FUEL .....	Rice Husk, Wood Chip, Coconut Shell, Municipal Green Waste
FIRING DESIGN CAPACITY .....	47 MW <sub>th</sub>
STEAM BOILER DESIGN DATA .....	50 tph   55 bar(a)   455 °C
GENERATOR CAPACITY .....	10 MW <sub>el</sub>
SCOPE .....	Engineering, Consultancy, Supply and Installation of LAWI EtaComb® 500 Combustion System

## BIOMASS POWER PLANT

9.9 MW LAWI ETACOMB® 500  
UBON RATCHATHANI | THAILAND

COMMISSIONING DATE ..... June 2008  
DESIGN FUEL ..... Rice Husk, Corn Cob

FIRING DESIGN CAPACITY ..... 50 MW<sub>th</sub>  
STEAM BOILER DESIGN DATA ..... 55 tph | 66 bar(a) | 485 °C  
GENERATOR CAPACITY ..... 9.9 MW<sub>el</sub>  
SCOPE ..... Supply and Installation of LAWI EtaComb® 500 Combustion System  
and PLC Control system for steam boiler

## BIOMASS POWER PLANT

7.3 MW LAWI ETACOMB® 300  
NAKHON RATCHASIMA | THAILAND

COMMISSIONING DATE ..... October 2007  
DESIGN FUEL ..... Rice Husk

FIRING DESIGN CAPACITY ..... 30 MW<sub>th</sub>  
STEAM BOILER DESIGN DATA ..... 35 tph | 40 bar(a) | 450 °C  
GENERATOR CAPACITY ..... 7.3 MW<sub>el</sub>  
SCOPE ..... Engineering, Supply and Installation of LAWI EtaComb® 300  
Combustion System

2007

## BIOMASS POWER PLANT

22 MW  
MIDLAND | USA

COMMISSIONING DATE ..... January 2004  
DESIGN FUEL ..... Waste Wood Chip, Wood Dust

SCOPE ..... Engineering of Moving Grate Furnace 27 m<sup>2</sup> with Thermal Oil Heater

2004

2003

## BIOMASS POWER PLANT

12 MW

SAMUT SAKHON | THAILAND

COMMISSIONING DATE ..... December 2003

DESIGN FUEL ..... Waste Wood Chip, Wood Dust

SCOPE ..... Engineering of Moving Grate Furnace 16 m<sup>2</sup> with Thermal Oil Heater

## BIOMASS POWER PLANT

11 MW

PHANG NGA | THAILAND

COMMISSIONING DATE ..... April 2003

DESIGN FUEL ..... Waste Wood Chip

SCOPE ..... Engineering of Moving Grate Furnace 27 m<sup>2</sup> with Thermal Oil Heater  
280°C

2002

## BIOMASS POWER PLANT

6.7 MW

PAVIA | ITALY

COMMISSIONING DATE ..... June 2002

DESIGN FUEL ..... Rice Husk, Waste Wood Chip, Wood Dust, Agriculture Waste

SCOPE ..... Supply of LAWI EtaComb® Moving Grate Furnace 54 m<sup>2</sup> for 40 tph  
Steam Boiler Cogeneration Plant

## BIOMASS POWER PLANT

6 MW

BEYOGLU | TURKEY

COMMISSIONING DATE ..... September 2001

DESIGN FUEL ..... Naphta Exhaust Gas from Gas Turbine

SCOPE ..... Heat Recovery System with Thermal Oil Heater

1999

## BIOMASS POWER PLANT

4.2 MW

VALLE LOMELLINA | ITALY

COMMISSIONING DATE ..... March 1999

DESIGN FUEL ..... Rice Husk, Wood Dust

SCOPE ..... Supply and Installation of Moving Grate Furnace 28 m<sup>2</sup> for 32 tph Steam Boiler

## BIOMASS POWER PLANT

4.2 MW

ELDORET | KENIA

COMMISSIONING DATE ..... March 1999

DESIGN FUEL ..... Waste Wood Chip, Wood Dust

SCOPE ..... Supply and Installation of Moving Grate Furnace 34 m<sup>2</sup> for Steam Power Plant

## BIOMASS POWER PLANT

8 MW

PREDING | AUSTRIA

COMMISSIONING DATE ..... February 1999

DESIGN FUEL ..... Waste Wood Chip

SCOPE ..... Supply and Installation of Thermal Oil Boiler for Wood Panel Industry

## POWER PLANT

3500 + 260 KW

RAVENSBURG | GERMANY

COMMISSIONING DATE ..... December 1998

DESIGN FUEL ..... Natural Gas, Digester Gas

SCOPE ..... Supply and Installation of Thermal Oil Boiler for Sewage Treatment Plant

1998





## POWER PLANT

2X2 MW

VILLACH | AUSTRIA

COMMISSIONING DATE ..... April 1998

DESIGN FUEL ..... Natural Gas

SCOPE ..... Supply and Installation of Thermal Oil Heating Station

## BIOMASS POWER PLANT

2.5 MW

KORAT | THAILAND

COMMISSIONING DATE ..... June 1996

DESIGN FUEL ..... Rice Husk

SCOPE ..... Engineering, Supply and Installation of Moving Grate Furnace with Steam Boiler (18 tph | 33 bar(a) | 420°C)

1996