

HISTORY OF LAWI – ERK COOPERATION (as of November 2018)



Waste to Energy Power Plant 7 MW LAWI EtaComb® 300

Commissioning Date: scheduled Q4 / 2018

DESIGN FUEL RDF
 CLIENT RH Recovery House Co., Ltd.
 LOCATION Ayutthaya / Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 30 MW_{th}
 Steam Boiler Design Data: 35 tons per hour, 53 bar(a), 450 °C
 Generator Capacity: 7 MW_{el}

SCOPE OF LAWI SUPPLY

Overall Power Plant Basic Engineering and Consultancy
 Supply and Installation of LAWI EtaComb® 300 Combustion System, Steam Boiler and Feed Water System and Ash Handling System

2017



Biomass Power Plant 12 MW LAWI EtaPlant®

Commissioning Date: August 2017

DESIGN FUEL Gliricidia
 CLIENT GIMCO Co., Ltd.
 LOCATION Nabou of Viti Levu/ Fiji

TECHNICAL PROJECT DATA

Firing Design Capacity: 51.2 MW_{th}
 Steam Boiler Design Data: 57 tons per hour, 36.3 bar(a), 440 °C
 Generator Capacity: 12 MW_{el}

SCOPE OF LAWI SUPPLY

Overall Power Plant Basic Engineering and Consultancy
 Supply of LAWI EtaComb® 500 Combustion System, Steam Boiler and Feed Water System, Fuel Conveying System, Ash Handling System and Flue Gas Cleaning System



Biomass Power Plant 11 MW LAWI EtaComb® 400

Commissioning Date: May 2017

DESIGN FUEL Rice Husk, Eucalyptus Bark, Wood Chip
 CLIENT KPN Green Energy Solution Co., Ltd.
 LOCATION Kamphengphet / Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 45 MW_{th}
 Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
 Generator Capacity: 11 MW_{el}

SCOPE OF LAWI SUPPLY

Overall Power Plant Basic Engineering and Consultancy
 Supply and Installation of LAWI EtaComb® 400 Combustion System and Fuel Conveying System

2015



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: May 2015

DESIGN FUEL Eucalyptus Bark, Wood Chip
CLIENT Advanced Energy Development Co., Ltd.
LOCATION Sirindhorn/ Thailand

SCOPE OF LAWI SUPPLY
Overall Basic Engineering
Supply and Installation of LAWI EtaComb®
400 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 39.5 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}



Biomass Power Plant 9.9 MW LAWI EtaComb® 400

Commissioning Date: April 2015

DESIGN FUEL Rice Husk, Eucalyptus Bark
CLIENT KPN Green Energy Solution Co., Ltd.
LOCATION Phichit / Thailand

SCOPE OF LAWI SUPPLY
Overall Power Plant Basic Engineering
and Consultancy
Supply and Installation of LAWI EtaComb®
400 Combustion System and Fuel
Conveying System

TECHNICAL PROJECT DATA

Firing Design Capacity: 40.5 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}

2014



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: July 2014

DESIGN FUEL Eucalyptus Bark, Wood Chip
CLIENT Advanced Energy Development Co., Ltd.
LOCATION Thoen / Thailand

SCOPE OF LAWI SUPPLY
Overall Basic Engineering
Supply and Installation of LAWI EtaComb®
400 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 39.5 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}

2013



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: December 2013

DESIGN FUEL Eucalyptus Bark, Wood Chip
CLIENT Advanced Energy Development Co., Ltd.
LOCATION Srichiangmai / Thailand

SCOPE OF LAWI SUPPLY
Overall Basic Engineering
Supply and Installation of LAWI EtaComb®
400 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 39.5 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}



Biomass Power Plant 9.9 MW LAWI EtaComb® 400

Commissioning Date: November 2013

DESIGN FUEL Eucalyptus Bark, Wood Chip
CLIENT Sri Wattana Green Co., Ltd.
LOCATION Buriram / Thailand

SCOPE OF LAWI SUPPLY
Supply of LAWI EtaComb® 400
Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 41 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: June 2013

DESIGN FUEL Eucalyptus Bark, Wood Chip
CLIENT Advanced Energy Development Co., Ltd.
LOCATION Ponthong/ Thailand

SCOPE OF LAWI SUPPLY
Overall Basic Engineering
Supply and Installation of LAWI EtaComb®
400 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 39.5 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}

▲ Biomass Power Plant 2x 9.9 MW LAWI EtaPlant®

Commissioning Date: April 2013

DESIGN FUEL Rice Husk, Wood Chip
CLIENT Khon Kaen Green Power Co., Ltd.
LOCATION Khon Kaen/ Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 40 MW_{th}
Steam Boiler Design Data: 88 tons per hour, 67 bar(a), 485 °C
Generator Capacity: 2x 9.9 MW_{el}

SCOPE OF LAWI SUPPLY
Overall Power Plant Basic Engineering
and Consultancy
Supply of LAWI EtaComb® 400
Combustion System

▲ Biomass Power Plant 9.9 MW LAWI EtaComb® 400

Commissioning Date: March 2013

DESIGN FUEL Para Wood
CLIENT Changraek Biopower Co., Ltd.
LOCATION Tungsong/ Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 40 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 67 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}

SCOPE OF LAWI SUPPLY
Supply of LAWI EtaComb® 400
Combustion System

▲ Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: January 2013

DESIGN FUEL Eucalyptus Bark, Wood Chip
CLIENT Advanced Energy Development Co., Ltd.
LOCATION Chokchai / Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 39.5 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}

SCOPE OF LAWI SUPPLY
Overall Basic Engineering
Supply and Installation of LAWI EtaComb®
400 Combustion System

2012



Biomass Power Plant 7.5 MW LAWI EtaPlant®

Commissioning Date: December 2012

DESIGN FUEL Eucalyptus Bark, Eucalyptus Wood Chip

CLIENT Sahagreen Forest Co., Ltd.

LOCATION Kamphaeng Phet/ Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 30 MW_{th}

Steam Boiler Design Data: 33 tons per hour, 68 bar(a), 485 °C

Generator Capacity: 7.5 MW_{el}

SCOPE OF LAWI SUPPLY

EPC Consortium Partner

Overall Power Plant Detail Engineering

Supply and Installation of LAWI EtaComb®

300 Combustion System and Ash Handling System

Supply of Fuel Conveying System and Steam Turbine



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: October 2012

DESIGN FUEL Eucalyptus Bark, Wood Chip

CLIENT Advanced Energy Development Co., Ltd.

LOCATION Prasat / Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 39.5 MW_{th}

Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C

Generator Capacity: 9.9 MW_{el}

SCOPE OF LAWI SUPPLY

Overall Basic Engineering

Supply and Installation of LAWI EtaComb®

400 Combustion System



Biomass Power Plant 17 MW LAWI EtaPlant®

Commissioning Date: September 2012

DESIGN FUEL Eucalyptus Bark, Wood Chip, Rice Husk

CLIENT Mungcharoen Biomass Co., Ltd.

LOCATION Surin/ Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 60 MW_{th}

Steam Boiler Design Data: 67 tons per hour, 66 bar(a), 485 °C

Generator Capacity: 17 MW_{el}

SCOPE OF LAWI SUPPLY

Overall Power Plant Basic Engineering

Supply and Installation of LAWI EtaComb®

600 Combustion System



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: June 2012

DESIGN FUEL Rice Husk, Eucalyptus Bark
CLIENT Srisangdaw Biopower Co., Ltd.
LOCATION Roi Et/ Thailand

SCOPE OF LAWI SUPPLY
Overall Power Plant Basic Engineering
Supply and Installation of LAWI EtaComb®
400 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 40 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 66 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: May 2012

DESIGN FUEL Eucalyptus Bark, Wood Chip
CLIENT Advanced Energy Development Co., Ltd.
LOCATION Nampong/ Thailand

SCOPE OF LAWI SUPPLY
Overall Basic Engineering
Supply and Installation of LAWI EtaComb®
400 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 39.5 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: April 2012

DESIGN FUEL Eucalyptus Bark, Wood Chip
CLIENT Advanced Energy Development Co., Ltd.
LOCATION Ban Bueng/ Thailand

SCOPE OF LAWI SUPPLY
Overall Basic Engineering
Supply and Installation of LAWI EtaComb®
400 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 39.5 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}

2011



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: October 2011

DESIGN FUEL Rice Husk
CLIENT TRC Clean Energy Co., Ltd.
LOCATION Korat/ Thailand

SCOPE OF LAWI SUPPLY
Overall Power Plant Basic Engineering
Supply and Installation of LAWI EtaComb®
400 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 40 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 67 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: October 2011

DESIGN FUEL Coconut Fiber, Palm Stalk, Wood Chip
CLIENT Clean Energy Thapsakae Co., Ltd.
LOCATION Thap Sakae/ Thailand

SCOPE OF LAWI SUPPLY
Supply and Installation of LAWI EtaComb®
400 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 42 MW_{th}
Steam Boiler Design Data: 45 tons per hour, 42 bar(a), 455 °C
Generator Capacity: 9.9 MW_{el}



Biomass Power Plant 9.9 MW LAWI EtaComb® 600

Commissioning Date: February 2011

DESIGN FUEL Bagasse (Multi-Fuel-Design)
CLIENT Baanrai Electricity Generating Co., Ltd.
LOCATION Utaithani/ Thailand

SCOPE OF LAWI SUPPLY
Overall Power Plant Basic Engineering
Supply and Installation of LAWI EtaComb®
600 Combustion System

TECHNICAL PROJECT DATA

Firing Design Capacity: 55 MW_{th}
Steam Boiler Design Data: 60 tons per hour, 68 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}

2009



Biomass Power Plant 9.9 MW LAWI EtaPlant®

Commissioning Date: April 2009

DESIGN FUEL Palm Leaves, Empty Fruit Bunch

CLIENT Sub Anan Biomass Co., Ltd.

LOCATION Chumporn/ Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 46 MW_{th}

Steam Boiler Design Data: 50 tons per hour, 42 bar(a), 410 °C

Generator Capacity: 9.9 MW_{el}

SCOPE OF LAWI SUPPLY

Overall Power Plant Basic Engineering

Supply and Installation of LAWI EtaComb®
500 Combustion System

Biomass Power Plant 7.5 MW LAWI EtaPlant®

Commissioning Date: March 2009

DESIGN FUEL Rice Husk

CLIENT Decha Bio Green Co., Ltd.

LOCATION Chon Buri/ Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 32.5 MW_{th}

Steam Boiler Design Data: 35 tons per hour, 69 bar(a), 490 °C

Generator Capacity: 7.5 MW_{el}

SCOPE OF LAWI SUPPLY

Overall Power Plant Basic Engineering

Supply and Installation of LAWI EtaComb®
300 Combustion System and PLC Control
System for Steam Boiler

2008



Biomass Power Plant 10 MW LAWI EtaPlant®

Commissioning Date: October 2008

DESIGN FUEL Rice Husk, Bark, Corn Cob

CLIENT Sricharoen Bio Power Co., Ltd.

LOCATION Buriram/ Thailand

TECHNICAL PROJECT DATA

Firing Design Capacity: 50 MW_{th}

Steam Boiler Design Data: 55 tons per hour, 67 bar(a), 485 °C

Generator Capacity: 10 MW_{el}

SCOPE OF LAWI SUPPLY

Overall Power Plant Basic Engineering and
ConsultancySupply and Installation of LAWI EtaComb®
500 Combustion System, Fuel Conveying
System, De-Ashing System and DCS
Control System for Power Plant



Biomass Power Plant 9.9 MW LAWI EtaComb® 500

Commissioning Date: June 2008

DESIGN FUEL Rice Husk, Corn Cob
CLIENT Kaona Power Supply Co., LTD.
LOCATION Ubon Ratchathani/ Thailand

SCOPE OF LAWI SUPPLY
Supply and Installation of LAWI EtaComb®
500 Combustion System and PLC Control
System for Steam Boiler

TECHNICAL PROJECT DATA

Firing Design Capacity: 50 MW_{th}
Steam Boiler Design Data: 55 tons per hour, 66 bar(a), 485 °C
Generator Capacity: 9.9 MW_{el}

