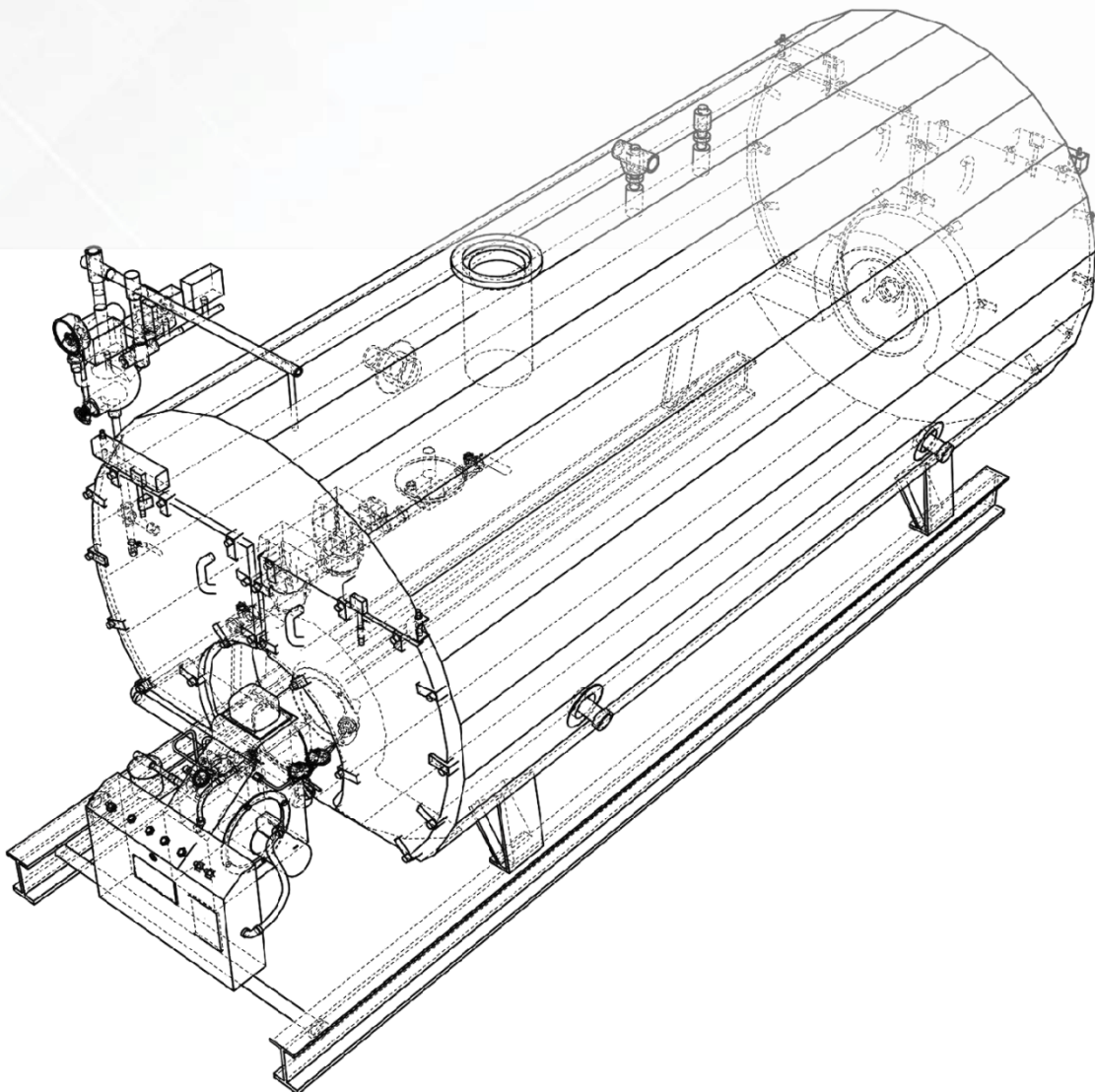




AXIS SOLUTIONS LIMITED



[www.axisindia.in](http://www.axisindia.in)

## AXIS AT GLANCE

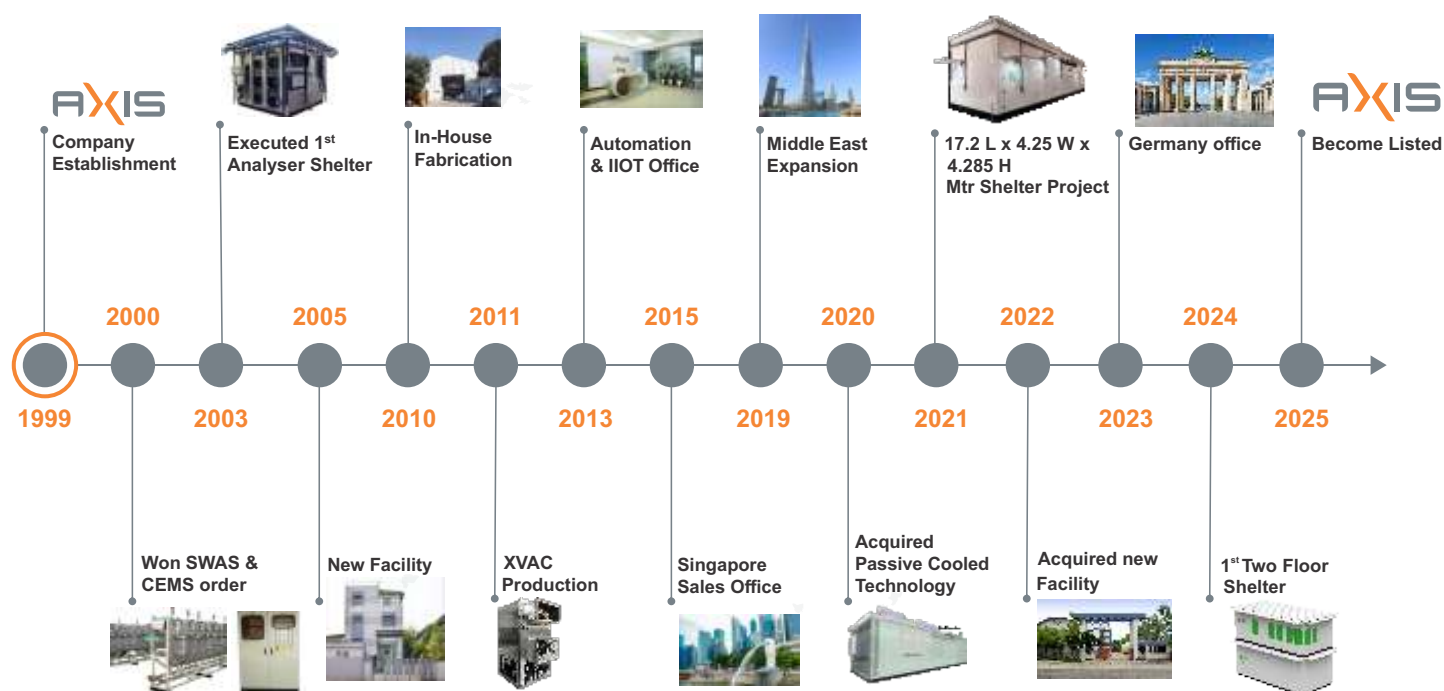


**Dr. Bijal Sanghvi**

*Managing Director*

“Since 1999, with a vision to provide efficient, reliable, and sustainable solutions for increasingly complex industrial environments. We, Axis Solutions Limited, emerge as a world-class System Integrator & innovative solutions provider to cater to oil & gas, petrochemicals, refineries, power plants, minerals & other engineering verticals globally through our worldwide regional offices by the team of 210+ that drives Axis passionately in our facilities with engineering, manufacturing, testing, research, and development to provide solutions in Analytical specifically for Gas, Water, Hydrocarbon measurement, Thermal management, Pressure-regulation, industrial automation, IIoT & Industry 5.0.”

## OUR JOURNEY 1999 ONWARDS



# AXIS Boiler OptiMAX

## INTRODUCTION

Axis presents Boiler OptiMAX to optimize, control, and automate the entire boiler operation, which effectively helps the boiler users and boiler OEMs, boiler users can save a significant amount of money and effort just by optimizing the boiler operations with Boiler OptiMAX, and the boiler OEMs can provide a top-notch boiler automation solution to their customers,

The Boiler OptiMAX provides data insights with real-time data, the users can monitor the real-time and historical data with the help of onboard HMI screens, and as per the customer's requirement the Boiler OptiMAX can be integrated with SCADA and it can also publish the data to Cloud,

The Boiler OptiMAX monitors major parameters of the boiler (e.g. stack gas temperature, blowdown TDS, feed water temperature, fuel flow, steam flow, combustion air flow, flue gas oxygen, etc.)

## BENEFITS OF AXIS Boiler OptiMAX

- » Plug-and-play model
- » Helps to meet organizational values
- » HMI with Dashboards for real-time and historical data with trends,
- » Timely alerts to avoid critical situations with Alarms and Events view
- » Boiler efficiency calculation (BS845), PID controls, Steam totalizer, Fuel totalizer, Blowdown totalizer
- » SCADA integration (Optional)
- » Cloud / IIoT integration (Optional)

## MONITORING THROUGH AXIS ASSET MONITORING SOLUTION (Opt.)

- » Unique cloud-based solution with rich functionalities and features that fits to the most of industries.
- » Boiler OEMs and end users can monitor the boiler data remotely through the cloud dashboards
- » Provides performance information like boiler efficiency and boiler status
- » Shift from breakdown to preventive maintenance resulting in better planning & reducing spares.
- » help Process OEMs with Performance Guarantee tests and expert recommendations for O&M strategies.

## WHY CHOOSE AXIS Boiler OptiMAX? :

### 1. Plug and play :

Easy to integrate sensors and analyzers

### 2. Asset Monitoring :

Access data with secure login credentials from anywhere, from any device.

### 3. SCADA interface :

Easy Integration with SCADA

### 4. realtime data :

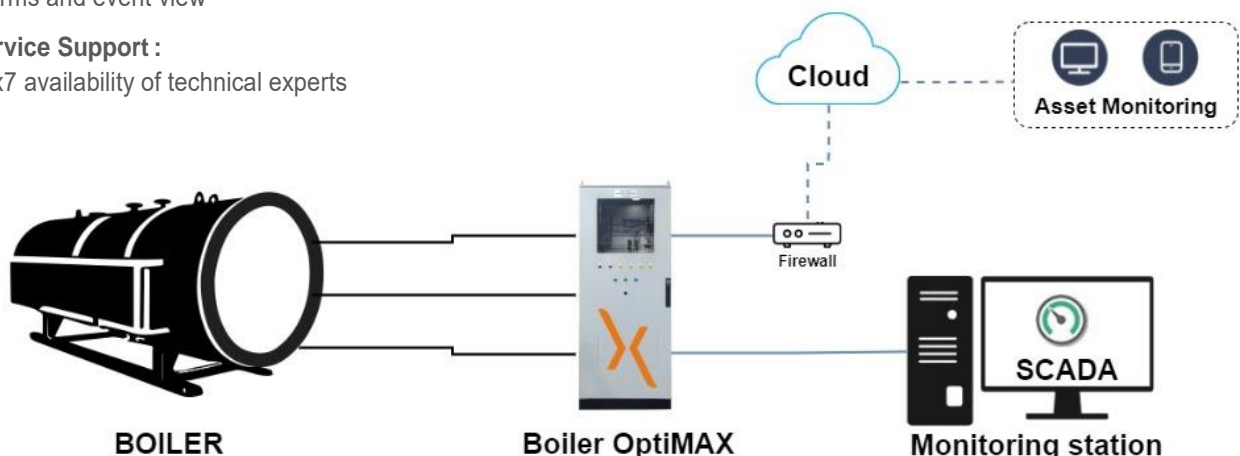
View real-time and historical data on dashboards with trends, PID control, and different calculations

### 5. Alerts:

Alarms and event view

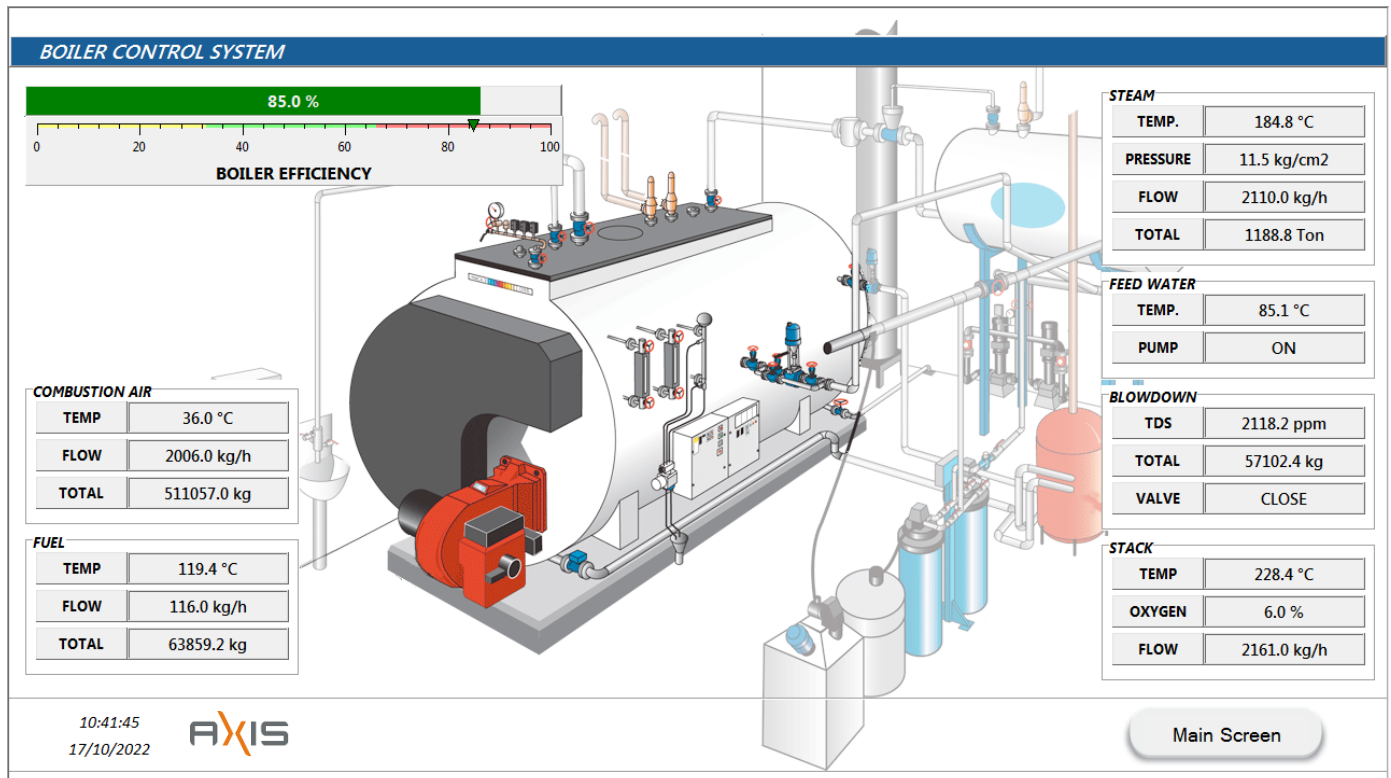
### 6. Service Support :

24x7 availability of technical experts

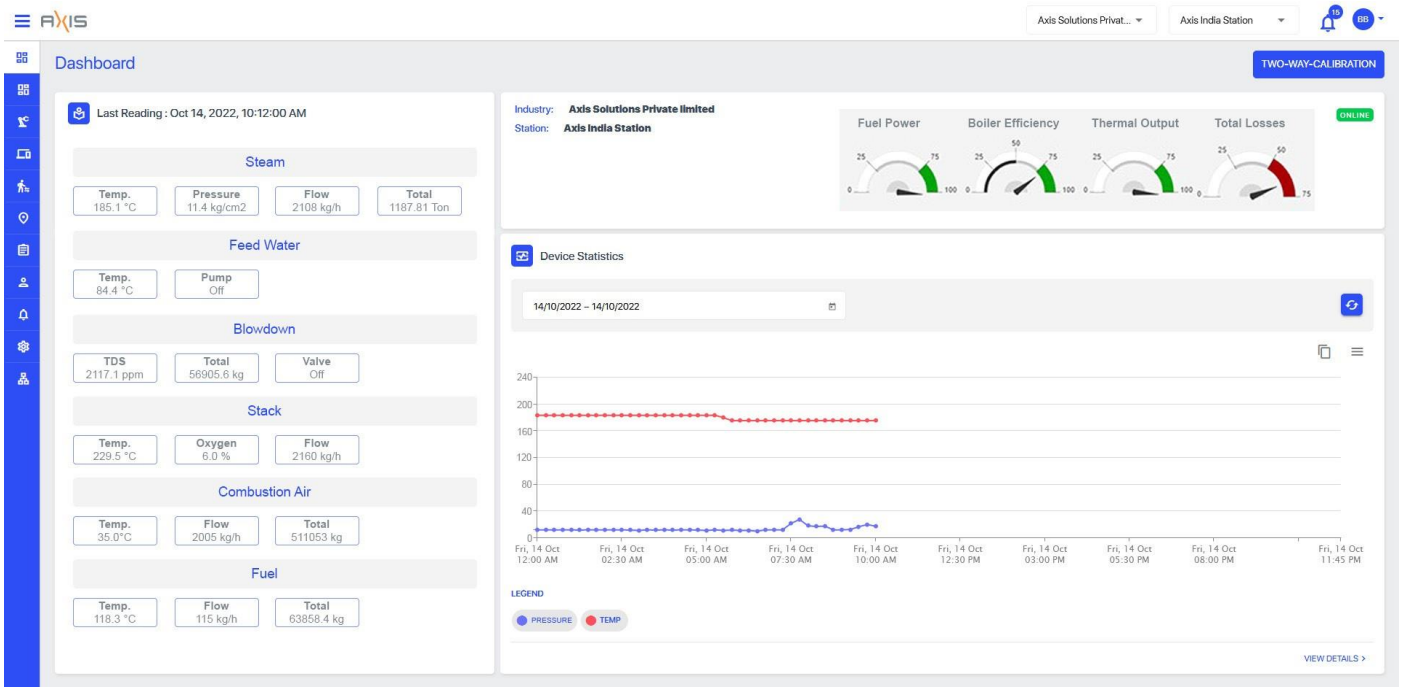


## APPLICATION PREVIEW

### BOILER DASHBOARD:



### ASSET MONITORING DASHBOARD:



## GENERAL DATA

<b>Code:</b>	Boiler OptiMAX
<b>Description:</b>	Solution to optimize, control, and automate the entire boiler operation with boiler efficiency calculation
<b>Enclosure:</b>	Self standing with HMI
<b>Power supply:</b>	230 Vac
<b>Status indicators:</b>	Power supply(LAMP)
<b>HMI:</b>	10" TFT LCD Input/output status screen Real time data dashboard / Historical data dashboard screen Trends screen Mimic screen PID Loops: Blowdown, Air:Fuel Ratio,Draft pressure control,Steam temperature control screen User authentication screen Alarms and events screen
<b>Totalizers:</b>	Steam Flow Totalizer with 8 digit display Feed Water Flow Totalizer with 8 digit display Fuel Flow Totalizer with 8 digit display BlowdownTotalizer with 8 digit display (opt.)
<b>Parameters:</b>	Efficiency Indication:0 - 100 % Ambient air temperature Indication:0 - 100 °C Feed-water temperature Indication:0 - 200 °C Steam temperature Indication:0 - 300 °C Stack temperature Indication:0 - 400 °C Stack Oxygen Indication:0.0 - 20.9% Steam flow indication:As per the programmed range (kg/h) TDS :0 - 6000 ppm.
<b>SCADA integration (optional):</b>	Supported protocol: Modbus RS485 and Modbus TCP/IP
<b>Cloud integration (optional):</b>	Asset monitoring
<b>Sensors and actuators:</b>	Not included in package

**Versions:**

Boiler OptiMAX - Standard	Standard version comes with Enclosure, HMI, and Totalizers
Boiler OptiMAX - SCADA	Includes standard version with SCADA
Boiler OptiMAX - Cloud	Includes standard version with Asset monitoring solution
Boiler OptiMAX - Premium	Combo of all the versions (Standard + SCADA + Cloud)





**SERVING 750+**

**AXIS**

**BRIX**

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