



Cost saving solution for your boiler

- Upgrading portfolio of Alfa Laval Boiler

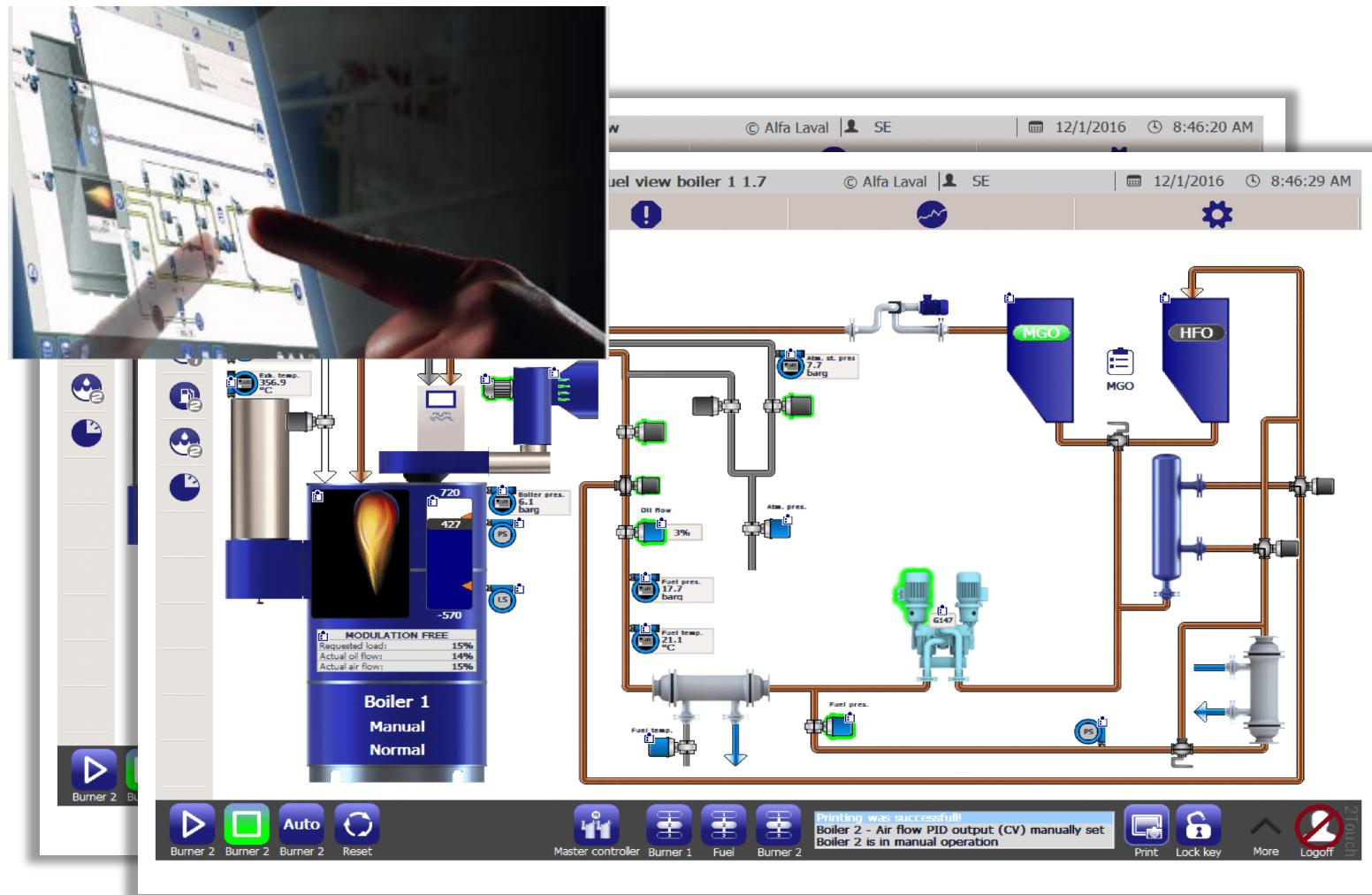
한국알파라발(주) 서비스 사업본부

송일호 / 보일러 영업 엔지니어

Ilho.song@alfalaval.com

ALTC (Alfa Laval Touch Control Panel)

- Stable control system & easy approached trouble



Benefit

- **Clear visualization** : All key points of the system are visible
- **Easy operation** : A more detailed view for the fuel line of boiler
- **Wider range** : Visualization of the water system for boiler
- **Operational cost saving** : Reduced consumption of spare parts & service attendance.

Fuel Oil Flow Control Valve

- Stable Fuel Oil control (Electric actuator type)



Oil Flow Control Valve



Old model FO valve
Pneumatic actuator

Challenge

- Damage on IP convector + valve diaphragm by poor air quality
- Spare parts replacement upon trouble-shooting
- Unstable oil flow control lead to improper combustion



New model FO valve

Benefit

- Dependable valve
- Simplified system
- Less maintenance leads less service cost
- Less consumption of spare parts & service attendance leads operational cost savings

Electric Actuator of Forced Draft Fan

- Stable air control & damper position / Air-oil ratio



Electric actuator of
FD Fan



Benefit

- **Increased reliability** – no faults resulting from moisture contaminated control air
- **Natural draught (ventilation)** due to fail-safe position in the event of blackout
- **Cost savings** through uptime and spare parts reduction
- **Easy installation** without calibration
- **Limited maintenance**

Feed Water Control Valve

- Stable Feed Water Control (Electric actuator type)



New Feed Water control valve with
electric actuator

Benefits

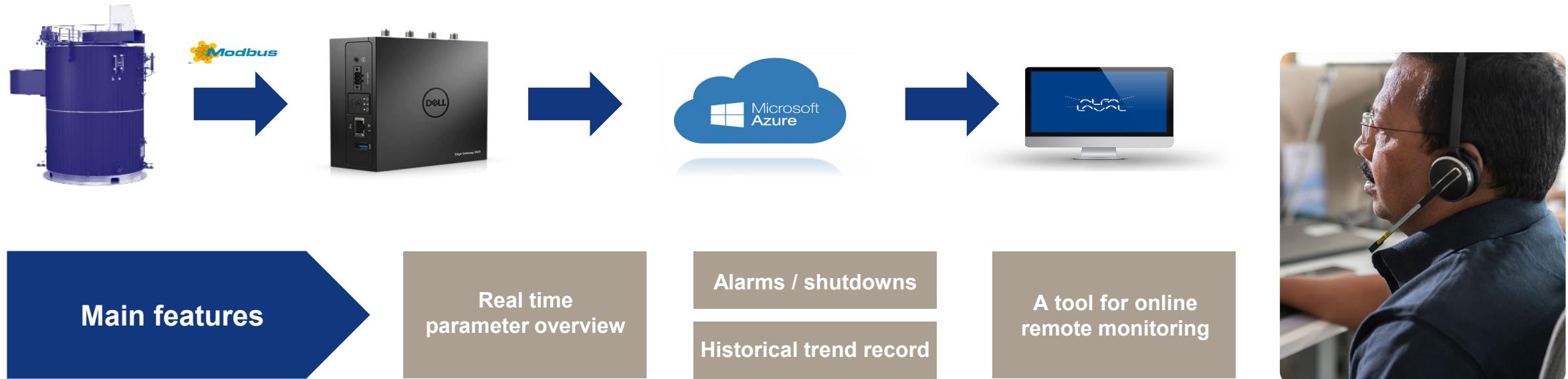
- Dependable valve
- Low maintenance
- Reduced consumption of spare parts
- The thrust actuator requires very little maintenance
- Accordingly maintenance in specified intervals is not necessary

Digital Service (Connectivity)



- Remote Support Assistance through the connected service portal

The Connected Crew Assistance is a remote support service which enables diagnostics, crew guidance and instant trouble-shooting through remote data streaming to Alfa Laval Aalborg Engineers.



Benefits

- Immediate 24/7 boiler expertise right at hand
- Reduced need for service visits
- Reduced time and effort on technical crew support from shore