

FLAAME BOILER CONTROL SYSTEM



Here's what we'l cover:

Features & Benefits

Feedbacks

FLAME - INTRODUCTION

R&D - A brief history of FLAME

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Project References & Customer

CONTACT US TO KNOW MORE!

FLAME

RELIABLE & RETROFIT SOLUTIONS FOR YOU MARINE REQUIREMENTS

Flame is an intuitive automation system developed by KDU to provide cost-effective and high-quality solutions to our customers in the maritime sector.

After carefully observing and considering the challenges faced by our customers, KDU's R&D team designed and developed a stand alone control system capable of interfacing with different systems which can deliver smooth functioning of the onboard system without any

hassle.



"The founding principle of this development were to resolve the challenges faced by our customers, without them having to make a huge investment and in the minimum downtime. "

- Frijo Chacko, GM - Electrical & Automation



- A total investment of 100,000 USD was made towards the **Research, Development and Design of FLAME.**
- Total of 180 days approx. were spend on the software development by the Automation team considering the factors & challenges that the system could face onboard any vessel.
- Once the software development was a success, the team focused on developing prototypes to manufacture the best suited models for the end-customers, as per type approval conditions and further testing was conducted.
- These prototypes are submitted for the required class approvals according to the project requirements.

RESEARCH & DEVELOPMENT OF FLAME



Without FLAME

obsolete



•	Adversely affected MTT and MTBF rates	•	Highe to zer
•	Hardwares are not hot swappable	•	With t perfor
•	No proper fault diagnosis available for the ships crew	•	Self-d
•	OEM replacements/upgrades are expensive	•	Modu
•	Most of the hardwares are	•	Advar ECR fo

Alarm monitoring, process trends and alarm logs



With FLAME

- er MTBF rates with minimum o service calls
- type approved high rmance controllers
- liagnosis features
- lar design
- nced workstation on the or continuous monitoring





MAIN CONTROL UNIT



MAIN CONTROLLER



FLAME SCHEMATICS AT A GLANCE

2 2 2 2 2 2 0 0

BOILER 1: LOCAL CONTROL UNIT







BOILER 2: LOCAL CONTROL





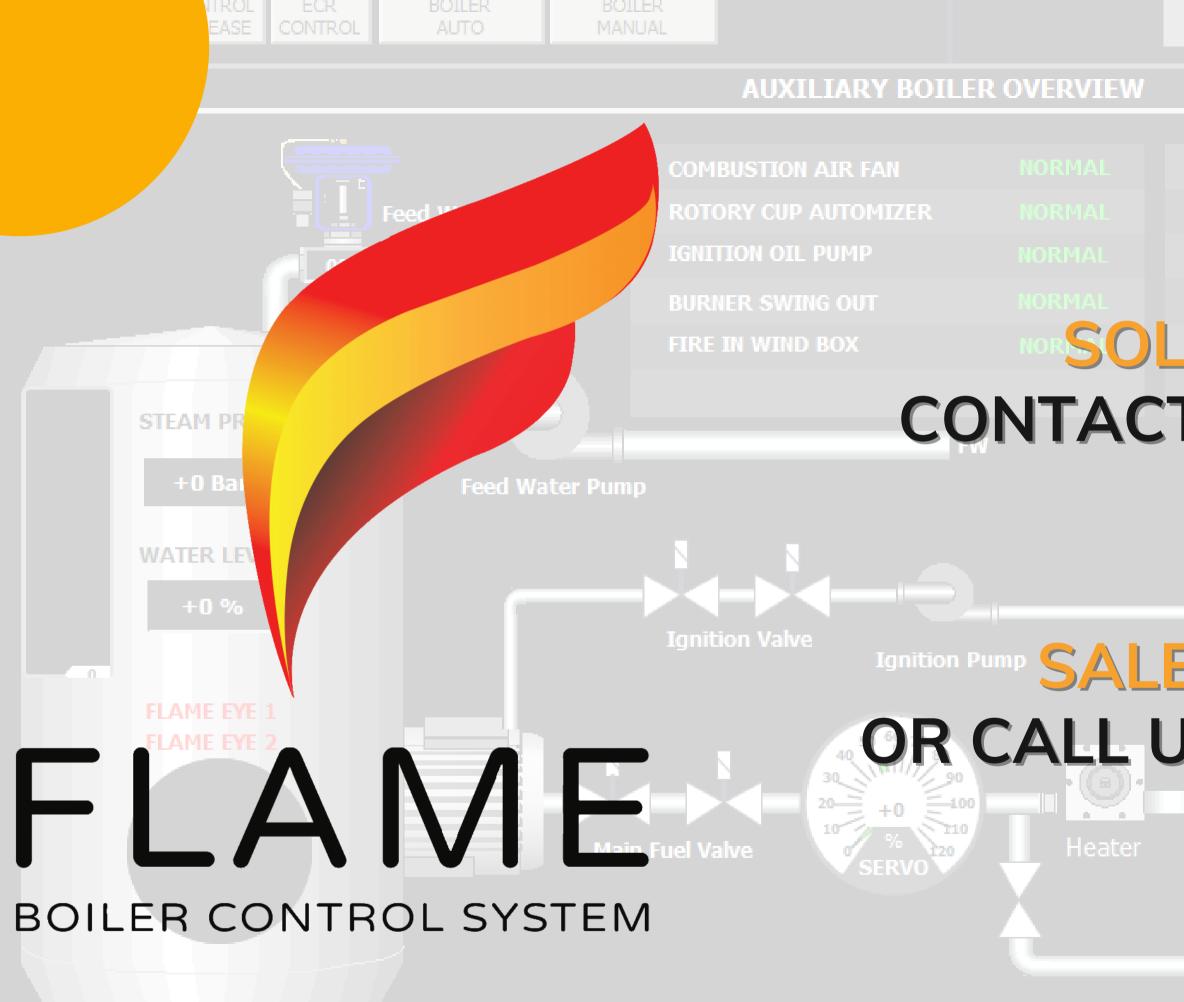


50+ VESSELS & COUNTING !

CONTACT US TO KNOW MORE ABOUT THESE PROJECTS AT MARKETING@KDUWORLD.COM

- World's largest VLCC fleet owner & a happy customer with flame operating on 25+ vessels!

"COMPETENT. **TRUSTWORTHY & COST-EFFECTIVE SOLUTION AT ITS BEST!"**



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