

APPLICATION IN DETAIL

HIMA BCS/BMS APPLICATIONS FOR THERMOPROCESSING FACILITIES

---



Protect, Control, and Regulate  
Burners and Process Furnaces

---

**One Application  
for All Functions**

---

# Heated Times for Plant Operators

---

Economic efficiency, environmental regulations, national and international standards, and operating regulations must all be observed for industrial thermoprocessing plants. Additionally, strict safety requirements often apply to SIL 3. With BCS/BMS applications from HIMA, you not only meet all safety standards for single and multiple burner systems, you also receive a comprehensive package for heat exchanger and furnace protection.

Learn how you can provide comprehensive protection for your combustion equipment and process furnaces on the following pages.







---

Ensure your combustion equipment and process furnaces conform to the required safety standards: The combined concept for burner control and burner management systems (BCS/BMS) from HIMA offers a simple yet complete package for this. You can achieve maximum profitability and safety at your plant with fewer components and reduced effort – as well as complying with all environmental regulations.

---



# Safety, With No Interference

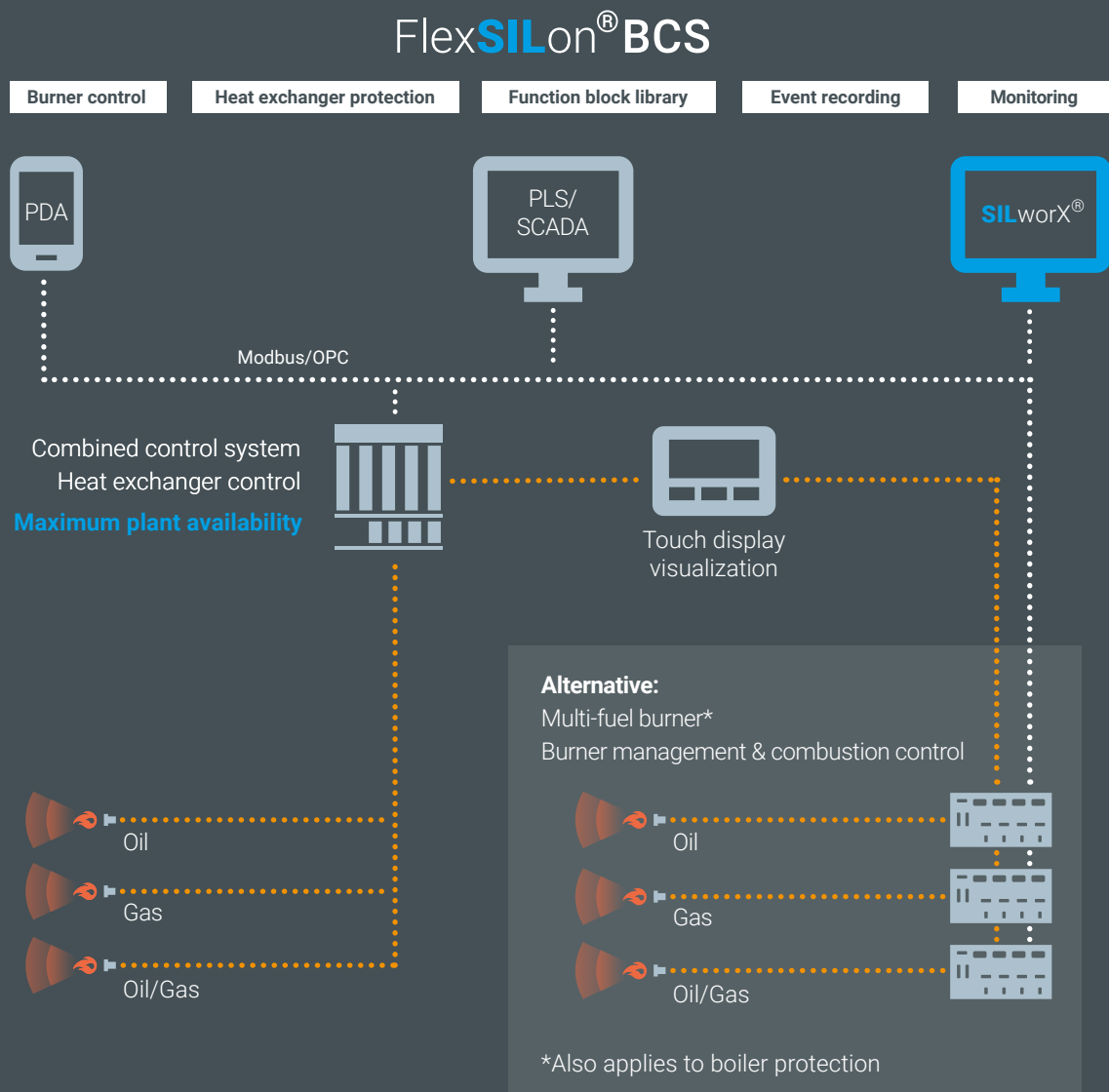
BCS applications from HIMA comprise a complete package that covers more than just the essential safety functions. Previously, additional components for combined control, fuel/air monitoring and control, heat exchanger protection, and process protection were required. Now, these critical process functions are integrated into the safety systems free of interference.

The proven safety controllers HiQuad, HIMax, and HIMatrix are the core components alongside the configuration, programming, and diagnostic tool SILworX. These products are complemented by the expertise of our experienced system engineers, who support you throughout the entire lifecycle of the plant. This ensures maximum plant safety, maximum availability, and cost effectiveness.



## Benefits:

- All automation functions are independent from one another in a single high-availability system
- Highest level of flexibility regarding system integration, original equipment (OEM), revamps, modernization, and new systems
- Faster approval and commissioning thanks to TÜV-tested and approved function blocks
- HIMA Lifecycle Services
- Maximum safety and profitability
- No special instrumentation necessary
- Compliance with environmental requirements



The leak detection system FLOWorX is tightly integrated into the HIMax safety system.



Benefits

---

## Reduce Effort and Costs

---

With our SIL 3 BCS/BMS applications, you get everything you need from a single provider – all hardware and software, as well as HIMA services, including consulting, planning, commissioning, validation, maintenance, modification, and decommissioning. All important, TÜV-certified components are integrated into a single controller. This significantly reduces time and costs required for programming and simplifies the acceptance process for the entire system.

HIMA Lifecycle Services provide you with cross-system support for safe and profitable plant operation that complies with all standards. Our experienced and highly qualified safety specialists are there for you throughout the entire lifecycle and offer reliable, expert support around the clock.

---

“Successful fulfillment of the normative specification is essentially influenced by two factors: the complexity of the overall task as well as the availability of expert resources. HIMA ensures that both requirements can be met more easily – through standardized applications that are completely pre-programmed and type-approved. HIMA provides the necessary expert knowledge at all times.”

---

**Sergej Arent**  
Director of Applications, HIMA Group

APPLICATION IN DETAIL

## HIMA BCS/BMS APPLICATIONS FOR THERMOPROCESSING FACILITIES

---

Want to find out more? Contact us at:

### HIMA Burner Competence Center

Phone: +49 6202 709-139

Or visit us online at:

 [www.hima.com/en/industries-solutions/burners-boilers-bcs](http://www.hima.com/en/industries-solutions/burners-boilers-bcs)



[www.hima.com](http://www.hima.com)