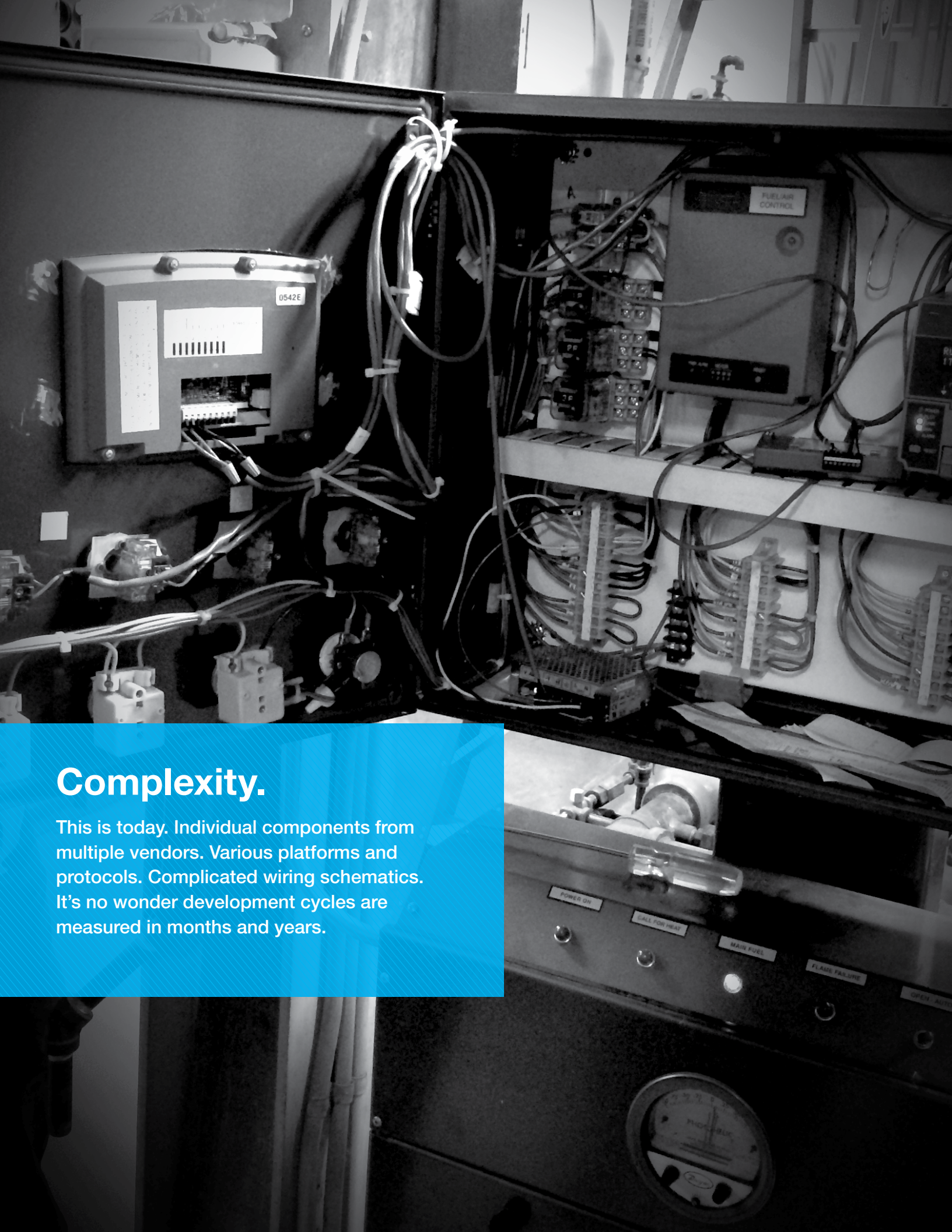The revolutionary integration of
configurable safety and **programmable logic**
in a single, modular platform

Complexity.

This is today. Individual components from multiple vendors. Various platforms and protocols. Complicated wiring schematics. It's no wonder development cycles are measured in months and years.

Simplicity.

SLATE™ from Honeywell brings together **configurable safety** and **programmable logic** for the first time ever. It's one platform from one vendor that can easily be customized for almost any application – in less time with less complexity. It's time to rethink how you bring combustion equipment management solutions to market. The revolution is here.

Faster time to market for a competitive advantage

Differentiation is the name of the game, but it requires time and money. SLATE™ streamlines and simplifies the product development process, helping you win in more industries and applications in a matter of weeks – not months or years.

Program faster
Flexible programming tools help you implement proprietary applications more quickly.
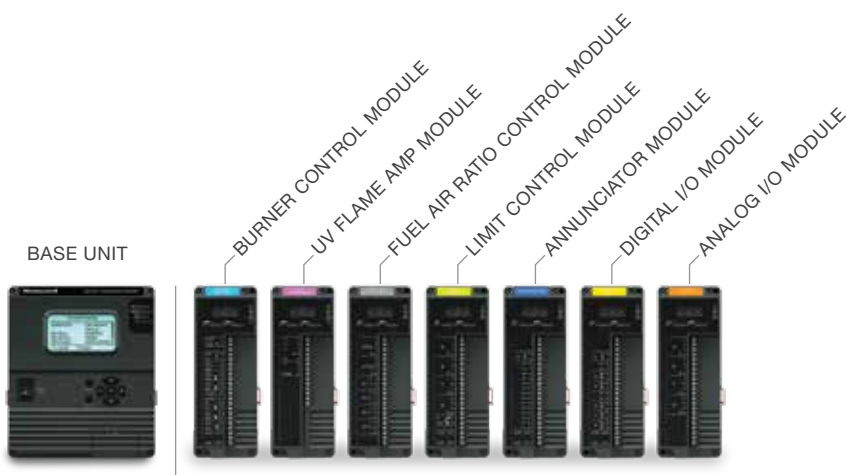
Cut engineering time
Eliminates complex, time-consuming wiring and programming.

Speed production
Load your custom application kit with a PC for faster duplication.

Simplify inventory
One platform from one vendor means significantly fewer products to source, purchase, stock and manage.

BASE UNIT

BURNER CONTROL MODULE

UV FLAME AMP MODULE

FUEL AIR RATIO CONTROL MODULE

LIMIT CONTROL MODULE

ANNUNCIATOR MODULE

DIGITAL I/O MODULE

ANALOG I/O MODULE

The SLATE toolkit

TOUCHSCREEN DISPLAY

ONE PLATFORM.
Unlimited markets and applications.

Commercial and industrial boilers
Make-up air
Process heating
Burner control
Automotive paint booths
Kilns
Ovens

Serve more global industries with one platform

Expanding into new markets involves a costly learning curve with new products, protocols and programming. With SLATE, your team can engineer custom solutions for a variety of world markets without ever going back to the manufacturer.

Unparalleled application flexibility
SLATE is easily configured for virtually any application, including commercial, industrial, single- and multi-burner, boiler, industrial process and more.

Universal I/O scheme
Purchase only the modules your application requires and choose how to use them with simple wiring commands.

Customizable high-definition display
7-inch color touchscreen display can be programmed using basic web page technology for a tailored end user experience.

Global safety approvals
Serve a broader global customer base with agency approvals, SLATE is UL certified for U.S. and Canada, FM, and CSD-1 acceptable. SIL-3 (coming soon).

Universal power supply
24 VAC/DC – 230 VAC 50/60 HZ power supply makes SLATE compatible with nearly all global commercial and industrial requirements.

Commercial building

Easier installation

On-board communication protocols
Built-in BACnet and Modbus services mean there's no need for a separate gateway, enabling seamless integration with Building Automation Systems.

DIN-rail mountable
Modular platform easily mounts to a DIN rail for faster installations in the field.

Efficient operation

Intuitive diagnostics
Simple, easy-to-understand messages enable real-time system monitoring and more timely, informed decision-making.

Optimized energy efficiency
Integrated O2 trim and two VFD control additions on the fuel air ratio control module ensure exceptional accuracy while optimizing burner performance.

On-board system guides
On-screen system guides make it easy to find answers or troubleshoot in the field.

Faster service

Status indicators
Technicians can quickly identify problems – no blinking lights, no fault codes and no manuals.

Plug-and-play replacement
Individual modules can be easily removed and replaced without purchasing and reprogramming a whole new platform.

Easy data backup
Application kit and platform information can be downloaded and saved with an SD card and USB drive.

It's easy to switch.

Why engineer multiple systems to run an application when you can use one platform from Honeywell?

With configurable safety and programmable logic in a single platform, SLATE allows you to offer differentiated solutions more quickly, easily, and cost effectively than ever before. Trade complexity for simplicity today – and start realizing the benefits.

Industrial boiler

Exceptional support to enable your success

Product training
In-person or self-guided video modules.

Global engineering services
Application engineers can assist with your most complex applications.

Technical support
Tech support hotline for product and installation questions.

Application resources
Visit **combustion.honeywell.com/SLATE** and log in with your customer.honeywell.com credentials for spec sheets, case studies, how-to videos and more.

SLATE™ Part Numbers	Description	Function
R8001A1001/U	Base Module	24 VDC or 24 to 240 VAC power supply, Modbus, BACnet and web services communications
R8001B2001/U	Burner Control Module	Burner control for detecting flame using rectification, UV or infrared, for combustion applications; includes valve proving
R8001V1031/U	Flame Amp Module	Rectification with dynamic ampli-check
R8001F1041/U	Flame Amp Module	Low voltage I/R with dynamic ampli-check
R8001S1071/U	Flame Amp Module	UV with dynamic ampli-check
R8001S1051/U	Flame Amp Module	UV with dynamic self-check
R8001U3001/U	Analog Module	Universal analog input and output module, configurable for 0-10V, 4-20mA, thermocouple, RTD, NTC, PWM and more
R8001D4001/U	Digital Module	Universal digital input and output module with up to 14 opto relays
R8001C6001/U	Fuel Air Ratio Control Module	Module for controlling the relationship between fuel, airflow, and flue gas recirculation. Supports up to 4 SLATE actuators and 2 VFDs.
R8001N7001/U	Annunciator Module	Module for monitoring states of permissive and interlocks with first-out annunciation
R8001L8001/U	Limit Control Module	Module for configuration of limit protection for pressure and temperature
R8001S9001/U	Sub-Base Assembly	Sub-base for DIN-rail mounting. Required for all modules except base module.
R8001K5001/U	SLATE Color Display	7" color LCD web-based display
R8001M1050/U	Actuator Module	50 in/lb actuator, NEMA 1 enclosure
R8001M1150/U	Actuator Module	150 in/lb actuator, NEMA 1 enclosure
R8001M4050/U	Actuator Module	50 in/lb actuator, NEMA 4 enclosure
R8001M4150/U	Actuator Module	150 in/lb actuator, NEMA 4 enclosure

Learn More

Visit **combustion.honeywell.com/SLATE**

Honeywell