

# **SafePlex Systems, Inc.**

## **A Client-Driven Integrator**

**Systems, Products, Services, Integrity**

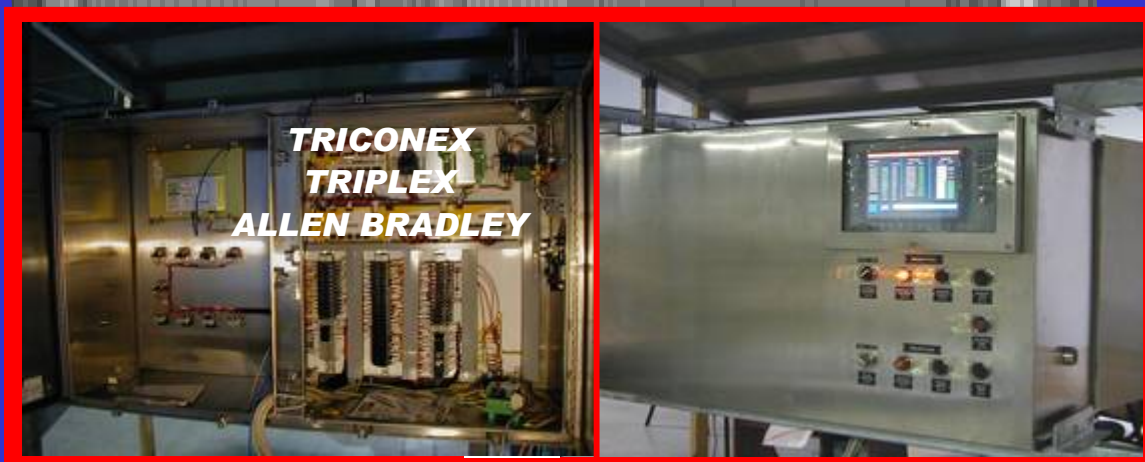
### **SILProBMS-2600**

*Since the early 1990s the requirements for industrial boilers has fallen under the OSHA 1910.119 Regulation, as well as the strength versions of the NFPA 85 code.*

*Many boilers still use general fire panel equipment such as Cam Sequencer, relays, or general purpose PLCs. For non-industrial boilers these systems may qualify. But for industrial boilers within a facilities with 10,000 pounds of hydrocarbon base products, in storage and/or production, the OSHA 1910.119 Regulation calls for those boiler to be HAZOP under all applicable standards and/or codes. For such boilers, that would mean both the NFPA 85 and ANSIISA S84.01.00 – 2004 would apply.*

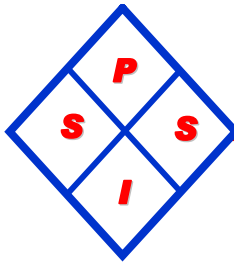
*OSHA's rulling in the late 1990s states that any auxilliary device feeding or being fed by a process is consider to be part of the process.*

*SIL-bmsTect-2600 is design to meet a SIL 2 or 3 rating, and to fulfill all the testing requirements stated in section 4 of NFPA 85 code. As shown, SIL-bmsTect-2600 can have a local CRT with Start Up, Shutdown, and Alarm Summary displays. SIL-bmsTect-2600 also has MODBUS support of remote communications.*



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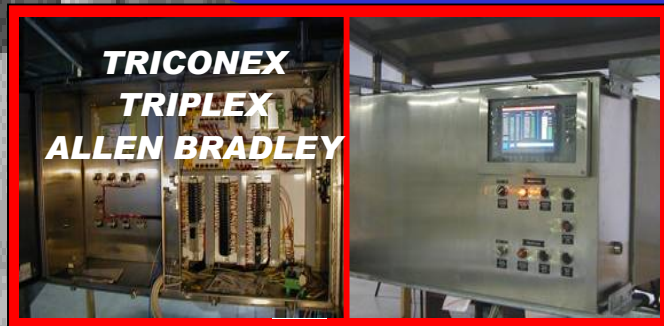
# SafePlex Systems, Inc.

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### SIL-bmsTect-2600

**SIL-bmsTect-2600** extensible design will support one to numerous burners. The design of **SIL-bmsTect-2600** allows for boiler or furnace-side installation. **SIL-bmsTect 2600** is Class 1, Div II, Grp A-D rated.



**SIL-bmsTect-2600** can be used in a de-energized to trip or energized to trip applications. For energized to trip applications, the field wires are line supervised to verify and validate the BMS system ability to respond correctly to a shutdown command. Because of the 99% diagnostic coverage factor of its equipment, **SIL-bmsTect-2600** can locate the failure and display the failure on the local CRT or communicate it to the control room via the MODBUS link.

Maintenance can be on-line without any special grounding or power (off) requirements. All modules have diagnostic lights, to aid the act of repair.

#### HIMA HARDWARE SPECIFICATIONS

**SIL RATING: 3**

**POWER: 24VDC ( $\pm$  15%)**

**TEMP: 0 to 60°C**

**COMPLIANT: IEC 1000-4-2 thru 6**  
(ESD, RFI, Burst, Surge)

#### MTL HARDWARE SPECIFICATIONS

**SIL RATING: 2**

**POWER: 24VDC ( $\pm$  15%)**

**TEMP: -40 to 70°C**

**CORROSION RATING: G3**  
(CONFORMAL COATING)

**COMPLIANT: IEC 1000-4-2 thru 6**  
(ESD, RFI, Burst, Surge)

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