Industry-specific intelligent fire management system

(Solution Architecture)

GSM MODULE - To send SMS to authority in case of emergency.

LCD DISPLAY - To display the temperature and gas value

GAS SENSOR - Detects gas

TEMPERATURE SENSOR - Detects temperature

FLAME SENSOR - Detects flame.

ARDUINO UNO – Controls the whole process

RASBERRY PI – Controls the valve and interfaced with LCD

SOLENOID VALVE – To sprinkle water.

BUZZER – When the fire is high alarm turns on.

EXHAUST FAN – when the gas is high fan turns on.