Hello FM Team,

The Fire Systems Group (FSG) works within Trades in the FM Operations section. Currently located in the General Services Building, they are planning to move to Facilities Management North later this fall. The group, managed by Brian Sedlak, consists of 12 FM employees who manage, service, test, and inspect fire and life-safety systems, including fire suppression and alarm, bi-directional antennas, and two-way communication.

CSU boasts one of the largest fire alarm networks in the nation with a unique patented design. The design primarily involves the physical fire system workstations and their associated fiber optic connections. Externally they may look ordinary and not particularly interesting, but a lot of time goes into the complexity of graphics and networking. They contain floor plans for all monitored buildings and icons associated with the devices' physical locations, allowing emergency responders to arrive at an incident with the most accurate information. These workstations monitor and report the status of devices such as:

- AEDs (automated external defibrillators)
- AHUs (air handler units)
- fire suppression waterflow and tamper valves
- gas, heat, leak, and smoke detection
- presence of power
- pull stations
- security systems
- two-way communication

The fire alarm systems also control elevator shutdown and recall functions; fire dampers and fire doors; gas and HVAC shutdowns; lighting override; PA system shutdown; and speakers, horns, and strobe lights.

FSG is responsible for 160 buildings! 85 of those have full fire suppression, 26 are partially suppressed, and 29 buildings have fire pumps. In addition, 63 buildings are fully covered by speakers and 12 buildings are partially covered by speakers. The use of speakers allows custom voice evacuation messages and mass notification. In a mass notification setup, all buildings can be notified remotely by a microphone connected to one of FSG's 7 workstations at the CSU Police Department, General Services Building, and Facilities Dispatch. This allows a dispatcher to simultaneously contact all buildings in case of a campus-wide emergency. The fire alarm network is remotely monitored 24/7 by CSUPD Dispatch, and it can be controlled remotely by all fire system workstations.

Tom

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