

CASE STUDY

CUSTOMER OVERVIEW

Monroe County Sheriff's Office is located in the Florida Keys and is a state and nationally accredited law enforcement agency.

Challenges

The Monroe County Sheriff's Office (MCSO) needed to replace an aging PLC system consisting of discontinued and unsupported hardware. Aside from the risks associated with purchasing refurbished or used PLC components, from unconventional sources, MCSO needed to replace their legacy control system without the added expense of installing new electronic hardware or cabling. It was also critical that any replacement maintain an extremely high level of reliability and redundancy. The detention control system needed to fully integrate with their newly upgraded video surveillance system for all standard functions like video-follow-audio and event/incident review.

- Maintaining a legacy PLC system with end of life components
- Upgrading detention control function to server based, remote I/O without replacing infrastructure or electronic hardware
- Avoid downtime during installation
- Facilitate smooth transition from existing to new system

SOLUTION

duostech provided our Intelligent Corrections Automation System (**icas™**) with new server based, remote I/O and a new digital intercom system at the Monroe County Detention Facility in Key West, FL. The installation was completed in parallel with the existing PLC based system's removal and resulted in an extremely low operational impact and almost zero safety or security risk. All of the replacement remote I/O and the digital intercom backplane was constructed off-site, installed on the door and fully integrated.

Results

MCSO has a new and fully integrated, server based detention control system, utilizing remote I/O, without the exponential cost of new electronic hardware or cabling.

The new system also includes a completely upgraded digital intercom system that likewise reused existing analog stations and cabling. All of the systems are managed and controlled by our **centraco®**, command-control-communication platform, which seamlessly integrates all of the disparate jail systems within **icas™**.



"duostech did an outstanding job converting from our old control system. Their engineers were top-notch and delivered a robust, well designed system".

Michael Grattan
Executive Director IS, MCSO



Reduced Cost



Complete Digital Solution



Ability to Retrofit with Existing Systems



Manage all Alarm Activity & Central Commands



Parallel System Installation / Built in Triple Redundancy



Easy Integration with 3rd Party API Systems



Contact Us | All products, systems & solutions are backed by duostech 24 x 7 x 365 global training, maintenance & service program



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