

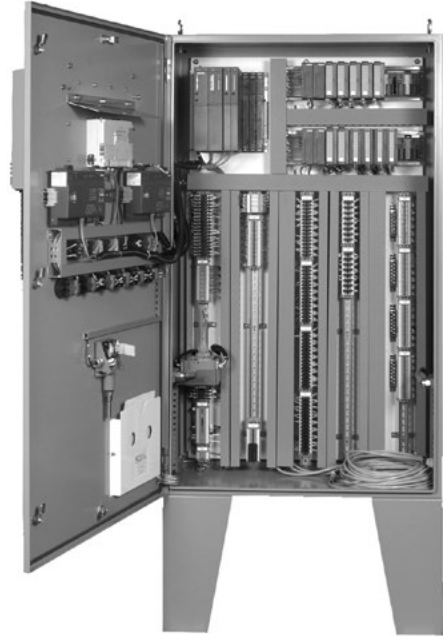
# Control Systems & Services

With more than 75 years of history, Murphy's Control Systems & Services division has the experience to provide the correct solution for any control system need. We work with clients to quickly identify critical needs and cost-effective solutions in a wide variety of control systems applications, from basic annunciator shut-down panels to complex PLC-based systems.

CS&S takes any project from conception to completion and beyond with 24-hour technical support.

Services include:

- Project Management
- Design and Engineering
- Testing
- Training
- Technical Support



## **Project Management: Dedicated to the Details**

Our employees have the proven ability to take your project from concept to design to fabrication and field support. We begin the process with the end in mind, utilizing a consultative approach to get a clear picture of your desired end result.

## **Design and Engineering: Built Right, Every Time**

Consistent design maintains similar look and feel across many different PLC panels. This concept allows production, support staff, customer staff and end users to be familiar with the control panel even before they see it for the first time.

## **Start-Up Assistance: Money Saved, Not Spent**

In the oil and gas industry, start ups are critical. Having the right personnel on site can save downtime and money by reducing lost production time. Downtime is expensive and can be minimized by having a PLC Service Engineer provide the technical expertise needed for advanced troubleshooting and on-site control philosophy modifications.

## **Troubleshooting: Extensive Knowledge When & Where You Need It**

Equipment malfunctions can happen any time, day or night. So we provide 24-hour technical support to help get your equipment back up and running. Our support team is available by phone to answer your questions and assist with troubleshooting.

## **Training: Helping Your Team**

Our dedicated team of PLC Engineers help your operators feel more comfortable with the systems by spending time with them to go through the PLC as well as provide basic troubleshooting tips.

