

Integrated Solutions & Designs is a group of talented individuals working to advance technology and quality of life. Located throughout Idaho our unique business plan allows us to be unrestrained by location or platform brand. Thus giving our team the ability to provide the most innovative & cost effective automation solutions to our clients.



PROVIDING GLOBAL SOLUTIONS FOR YOUR INDUSTRY

- food & beverage
- mining
- semiconductor
- packaging
- fresh & waste water
- power generation; nuclear / wind / water
- chp clean energy
- agriculture
- manufacturing
- machinery
- chemical
- lumber
- electronics
- transportation
- robotics
- facility engineering
- industry 4.0
- packaging
- oil refinery



YOUR PARTNER IN INNOVATIVE AUTOMATION SOLUTIONS

- SYSTEMS INTEGRATION
- ELECTRICAL ENGINEERING
- THERMOGRAPHY
- INDUSTRIAL INSTRUMENTATION
- FACILITY AUTOMATION
- DESIGN CONSULTING
- INDUSTRIAL IT NETWORKING

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WWW.ISDNA.NET

SYSTEMS INTEGRATION

ISD is the leader in Industrial Automation Design & implementation. We strive to ensure your sites equipment runs the way you imagined. Get critical information when you need it and collect all the data you want. We help you cut costs and improve efficiency thru our innovative solutions. Allowing you and your team to build a smarter industry.



- ∫ Infrastructure Audits
- ∫ Plant and System Startup / Commissioning Services
- ∫ Industry Specific " Best Practice" Consulting & Implantation
- ∫ Project Management
- ∫ Customer Specific Solutions
- ∫ 20 + Years Experience
- ∫ Safety Certified

FACILITY AUTOMATION

Providing a Safe, Secure & Environmentally controlled facility for your industry is smart business. ISD can handle all of your control systems needs. Whether you need individual control systems or you're integrating into a centralized management system ISD can help ensure your facilities efficient operation for years to come.



CONTROL SYSTEMS

- ∫ Access
- ∫ Monitoring
- ∫ Environmental
- ∫ Energy
- ∫ Safety
- ∫ Security

CONTROL PLATFORMS

- ∫ All Rockwell / Allen Bradley
- ∫ Wonderware
- ∫ Omron PLCs and HMIs
- ∫ Siemens S7 ad WinCC
- ∫ Parker HMIs and Motion Controllers
- ∫ Delta Motion Controllers
- ∫ Modicon PLCs
- ∫ Delta V, ABB, Honeywell DCS
- ∫ Proface
- ∫ GE PLCs and iFix
- ∫ Schneider Electric Magelis
- ∫ Other SCADA software Including legacy projects



CONTROL PROGRAMING

ISD enjoys the challenges presented with working on New and Existing automation systems. From controls to software integration, ISD's programmers are well versed in a plethora of control platforms. We constantly stay alerted to industry advancements, allowing ISD to apply the latest methods and standards to our programing. ISD takes pride in providing the highest quality installation, commissioning and continued support to our clients throughout multiple industries.

INDUSTRIAL IT NETWORKING

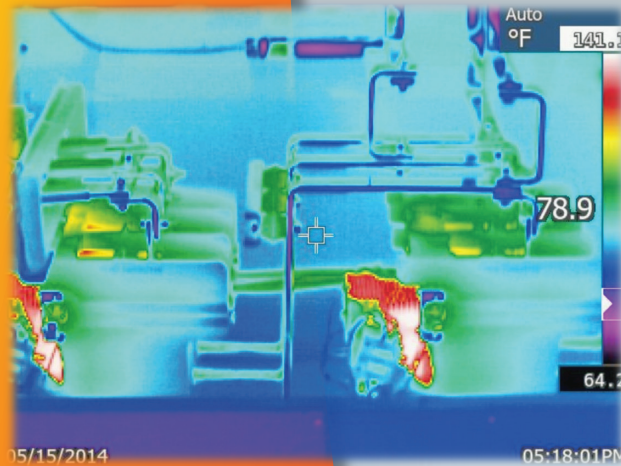
In todays networking world you need a servicer provider that understands how to keep you connected. ISD provides design solutions for complete server and network configuration. Supported by our ethernet and fiber network installation, you're sure to have the smart system you need.

- ∫ IT Network Design & Consulting
- ∫ Structured Cable
- ∫ Fiber Optic Cable
- ∫ Server Configuration
- ∫ Complete Install and Commissioning



THERMOGRAPHY SERVICES

ISD provides a wide array of licensed thermography inspection services. Conducting surveys in residential, commercial and industrial applications ISD can help to identify safety, manufacturing and efficiency issues. This translates to potential saved income for your business, factory or home.



- ∫ Findings detailed in an IRT Report, including Thermo Images.
- ∫ Understanding of insurance requirements
- ∫ Multi industry experience
- ∫ Preventive maintenance
- ∫ New and preexisting equipment
- ∫ Integration compatibilities
- ∫ Contractor, Maintenance Personal or homeowner.

INSTRUMENTS

- ∫ Balometers
- ∫ Barometers
- ∫ Calibrators/Alarms
- ∫ CFM Meters
- ∫ Differential Pressure/Velocity
- ∫ Flow Meters/Switches
- ∫ Force Gauges
- ∫ Hot Wire/Vane
- ∫ Level Transmitters
- ∫ Manometers
- ∫ Mass Flow Meters
- ∫ Temperature Transmitters
- ∫ Pressure Transmitters
- ∫ Vacuum Gauges
- ∫ Volume Flow
- ∫ Wind Tunnels



INDUSTRIAL INSTRUMENTATION

ISD can support your need for a new instrumentation sensor or calibration & validation of a current sensor. Our certified field service engineers are experienced in many different instruments, and can procure, install and support your industry applications. With multiple vendors at our disposal, it's a snap for us to provide a cost effective & innovative solution.

CONTROL PANELS

ISD has adopted the form follows function idealism in the design, manufacturing and commissioning of our control panels. This ensures a safe and efficient panel with years of trouble free operation. ISD provides a set of prints with every panel, allowing easy systems integration and trouble free maintenance for years to come.

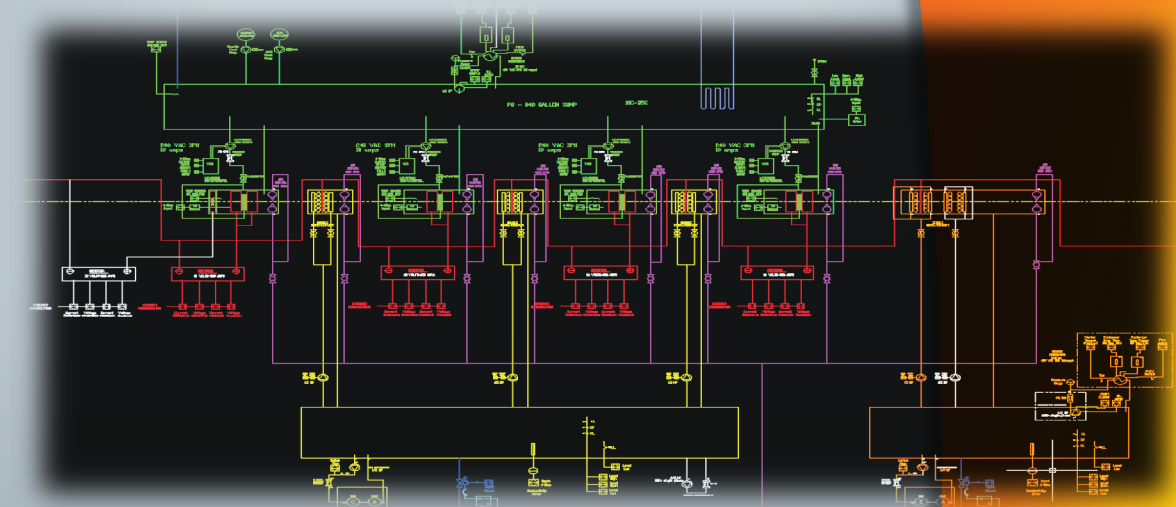


PANEL SPECS

- ∫ UL/CE Electrical Panel Design
- ∫ UL508 Electrical Control Panel Stamping
- ∫ PE Electrical Stamping
- ∫ Custom Designs thru Customer Specs
- ∫ Professional Installation
- ∫ Hardwire / Wireless / Fiber Technologies
- ∫ Power Distribution & MCC
- ∫ System Maintenance
- ∫ System Retrofitting
- ∫ Complete CAD Drawings & Wiring Diagrams
- ∫ NEMA boxes available

ELECTRICAL ENGINEERING

ISD is skilled in Medium and High Voltage Electrical design. To ensure those designs are communicated effectively it is key to provide detailed prints. By utilizing CAD applications and industry standards, we ensure high quality prints, that are easy to follow.



WORK HISTORY

ISD has been providing innovative automation service for over ten years. With such diversity in industry and type of projects completed, it is clear to see why ISD will provide the very best solution for your needs.

PLANT ROBOTICS

Automated robotic semi-conductor wafer handling system rated for class 10 clean room environment. This system included 3-axis motion control with user configurable product routes.

AUTOMATION

Large NQA-1 controls and automation project completed ahead of schedule and under budget. This project included multiple platforms with precise 12 axis coordinated motion control with up to two million pound max load.

SEMI-CONDUCTOR

Designed, installed, and commissioned large plant mechanical and controls automation project ahead of schedule. This project included installation of redundant systems to minimize plant down time.

FOOD PROCESSING

Industrial automation system to support the robotic stacking of containers in a plant. This included collaboration, design, engineering, install & commissioning. With continued system support

MINING

Controls and automation of large scale mining equipment in Sweden. This was a collaborated effort requiring on site commissioning for an extended time period.

POWER PLANT

Controls automation and instrumentation for bio diesel and oil refinery plants.

FOOD PROCESSING

Controls and automation for a multitude of meat packing facilities with in North American. Control panels meet sanitary requirements for a food processing facility

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

BUILDING CONTROLS

Multiple automated flammable liquid collection and neutralization systems. Included integrating into existing facility equipment. Adhering to Class 1, Division 2 requirements.

MANUFACTURING FACTORY

Successfully completed a large plant controls and automation project ahead of schedule and under budget. This project included multiple areas with project management of the electrical and mechanical contracting companies.

POWER

Design, build & commissioned a large chemical treatment system for the power generation industry. This included systems integration with multiple platforms.

MUNICIPALITIES

System Integration of a waste water potable water system for city municipalities. This included several remote radio connections thru out the city.

EQUIPMENT MANUFACTURING

Controls & Automation for Chemical Distribution systems for domestic and international clients. This included SCADA, PLC and HMI integration specific to the customer requirements.

AUTOMATION R&D

Collaborated with client on development of new controls and automation solutions for migration