Contact

+1 705-280-9076 (Mobile)
jim.cress.sdsc.club@gmail.com

www.linkedin.com/in/jim-cress-0773b219a (LinkedIn)
jctermografia.com (Company)

Top Skills

Electrical Equipment
PLC Allen Bradley
PLC Programming

Languages

Spanish (Limited Working)

Certifications

Industrial Maintenance Electrician

jim cress

President - JC Termografia RD
Ontario, Canada

Summary

Presently working from Northern Ontario office
Bilingual Automation Specialist with twenty-eight years of practical experience as an Automation Specialist and years of practical experience as an Electrician.
JCThermografia RD - small business owner - Nov 1st 2021 to present
Bestech - Senior Automation Specialist - May 4th 2020 to Aug 2022 (2.3 years)
INCO/VALE - Senior Automation Specialist - April 2002 to May 1st 2020 (18 years)
Weyerhauser Wawa - Electrician - Dec 1996 - April 2002 (6 years)
VILO Systems - Control system designer May 1995 - Dec 1996 (1.5 years)
Age 55 - started working in electrical/automation field at 26 years old. Prior to that college.

Experience

JC Termografia RD

Presidente
November 2021 - Present (3 years 9 months)
Sosúa, Puerto Plata, Dominican Republic, Cotacachi Ecuador & Northern Ontario

Working as part of an engineering / commissioning teams on 2 milling projects - refurbish mothballed crushing plant, upgrade scavenger flotation circuits anticipated completion dec 2026 or early 2027.
Install and commissioning of 2 800hp starters for main ore feed belts using GE Multilin 869's
Install and commissioning of 600hp ABB ACS 880 VFD using ethernet communications and Plant PAX programming
Install and commissioning of 2000hp Ball mill lift / lubrication system using E3+ and Devicenet technology
PLC install and commissioning of 2 MCC's, commissioning of ACE expert system for Sudbury grinding mill in the SAG area. Project included removal of

4 obsolete control systems and integration into 1 Allen Bradley PLC running Plant PAX block logic.
Troubleshooting solar off grid system for mountain top saloon/hotel using thermography and conventional meters
Ground water leak detection in various locations in Cabarete using thermography
Pool leak detection in various areas of Sosua and Cabarete using thermography
Refurbishing off grid solar system in Sabaneta y Yasica DR
Sub contracting automaton services for 2 MCC upgrades of a potable water plant in northern Ontario
Sub contracting automation services for 2 MCC upgrades of a SAG mill in northern Ontario
Started an Infra-red thermal imaging company

BESTECH

Senior Automation Specialist

April 2020 - July 2022 (2 years 4 months)
Sudbury, Ontario, Canada

Project - Plant electrical / automation consultation for battery recycling plant in northern Ontario
Project - Commissioning new refrigeration / ventilation system for silver mine in Mexico.
Project - Crushing plant PLC revamp for nickel mill in northern Ontario.
Work on MCC replacements, Asset Integrity projects, PLC programming, Network design.
Project to upgrade 13 2000hp multilin 869 motor protection relays.
Project - PLC installation and 2 MCC's to replace 4 obsolete control system for SAG mill area.
Project - install and commission mill slicer automation
Project - install and commision woodgrove rock sizing vision system.
Project - design new e-house, 2 MCC's automation system and networks for potable water plant. future install and commissioning.
Project - program and commission new Waste Water Treatment Plant for new mine startup.

Vale

Automation Specialist

April 2002 - April 2020 (18 years 1 month)
Sudbury, On

Vale Inco, Sudbury 2002- present

Automation Specialist

Project: 2000HP synchronous motor rewire and automation (2002-2010), Nolin Creek Wastewater Treatment Plant wastewater systems (2003), Booster PA/PO Multi-stage pump lines (2003), Booster Thickener Automation (2004-2005), Copper Cliff Sewage Treatment Plant (2005), Polymer System at Copper Wastewater Treatment (2005), Surface Control Dams for Tailings Yard (2005), Chemical Systems Upgrade at Vermillion Water Treatment Plant for potable drinking water (2005-2006), Design and implementation of tailing seepage stations (2006), Copper Separation Process (2006), Consultation on Core/CMERP (2007), Booster Thickener install and commissioning (2007), Mill Trunnion Systems (2008), Floatation improvements (2008), Core Consultation (2010), Vale Sudbury Technology Road Map (2011), Slag Car Upgrade (2012), Various Smelter Projects (2012), Core (2013-2014), Infrastructure Upgrades to Ethernet Switches (2015), Switch Upgrades (2016), GE Automation Removal Scoping (2016-2017), Copper Cliff Turbine Replacement (2017), Mill to Booster Interlocks Design (2018), Mill to Booster Commissioning (2019), Mill Motor 869 Upgrade Commissioning (2019-2020), Vermillion Pump House Medium Voltage Upgrade (2020)

- Concept and design of control system solutions for Vale
- AutoCAD/JDMS
- PLC programming
- HMI Design and programming
- Commissioning
- Troubleshooting/Testing/Debugging

- Assist with quoting and Material ordering
- Budgeting
- Attending field service and emergency calls

Education

Sault College of Applied Arts and Technology

Electrical Engineering Technician, Electrical and Electronics Engineering · (1993 - 1995)

Sault College of Applied Arts and Technology

Instrumentation Technicia, Instrumentation Technology/ Technician · (1993 - 1995)

Sault College of Applied Arts and Technology

Mechanical Engineering Technologist, Mechanical Engineering · (1988 - 1991)