



**Control Panels
& Box Builds**



Cable Assemblies



Wiring Harnesses



**Electronic Rack
& Cabinet Assembly**



Buyers guide for custom connectivity solutions

Defense Industry



Defense Industry



The defense market has some of the toughest compliance regulations in the world. If military products don't perform as expected, people's lives can be at risk. We are an experienced military wire harness manufacturer that understands the importance of regulations and standards, quality management, compliance, security, and confidentiality.

MRO is a member of the Canadian Controlled Goods Program, NCAGE, and the US / Canada Joint Certification Program. We also have experience with ITB / IRB offsetting. Our ISO 9001:2015 facility is equipped with several dedicated cells for defense manufacturing, and we are continuing to expand our capabilities in this area.

We currently work with several prime defense contractors as well as the Canadian DND, and have provided solutions for land, sea and air platforms,



Canada
CONTROLLED GOODS PROGRAM (CGP)



Air, Land and Sea
Low, Medium, and High Complexity
Overmolded Cable Assemblies
Wiring Harnesses
Racks and Enclosures
Control Panels and Systems

Secured facility / manufacturing cells
Appropriate certifications (CGP / NCAGE / JCP)
Canadian Content (IRB / ITB Offsetting)
IPC Trainers and Application Specialists
ISO 9001:2015
Experience with prime contractors

"MRO have consistently met our strict specifications, challenging requirements and aggressive lead times. Our Military Spec Cable Assemblies require superior manufacturing techniques, not common in conventional Cable manufacturing. MRO have the required experience and capabilities for our Military Specifications and complex designs."

GENERAL DYNAMICS
Mission Systems—Canada



Capabilities

- High mix, low volume to high volume
- High complexity assembly—up to 1000 connections per box.
- Automated and Semi-Automated Cut, Strip, Crimp, Solder, and Terminate
- In House Mold Tool Design and Fabrication
- Weather Proofing
- Abrasion Resistant Materials
- Torsion Resistant Materials



Manufacturing Capacity

- 40,000+ units per quarter
- Low, medium and high complexity (1000+ connections)
- 7500 sq ft primary manufacturing area
- 4500 sq ft high security (CGP) manufacturing area
- 3500 sq ft injection molding / cnc area

Testing Capabilities

- Flex/Bend
- Pull/Tensile Strength
- Low Voltage
- High-Pot AC/DC - up to 1500 DC and 1000 AC
- Component Value (Resistance, Inductance, etc.)
- Bonding Test





SAI GLOBAL
ISO 9001
Quality

ISO 9001:2015

MRO is an ISO 9001:2015 certified company from SAI Global Assurance for the scope of Manufacturing of low, medium and high complexity custom cable assemblies and wire harnesses, including radio frequency (RF) coax assemblies, power, data and control cables and rugged over-molded cable assemblies for various industry sectors such as Oil & Gas, Mining, Agriculture, DockSide/ Marine, Automotive, Telecommunications and Defense. A copy of our ISO Certificate of Registration, valid until September 11, 2021 can be downloaded from our website.



IPC/WHMA-A-620

MRO operates with IPC/WHMA-A-620D Certified Trainers and Application Specialists, with continuing training for all certified employees to ensure compliance with the latest revisions to the standard. We are an IPC Class 2 and Class 3 EMS Provider.



Controlled Goods Program

MRO is registered with the CGP and is therefore eligible to receive technical data on various defense articles as permitted under the ITAR Canadian Exemption. MRO's CGP registration number is CG19448 and a copy of our registration certificate, valid until April 10, 2024 can be downloaded from our website.



U.S./Canadian Joint Certification Program

MRO is also certified pursuant to the U.S./Canadian Joint Certification Program ("JCP"). Under the JCP, MRO is certified to receive technical data governed, in the U.S., by U.S. Department of Defense Directive 5230.25 and, in Canada, by the Technical Data Control Regulations (subject to compliance with U.S. and Canadian export and import control laws). MRO's JCP Registration number is 0081550 and its certification is valid until August 6th, 2024.

MRO views compliance with ITAR, U.S. Department of Defense, and Canadian Department of National Defence requirements as a priority. Its export controls compliance program includes:

- Secured network systems that restrict access to ITAR controlled technical data
- Encryption of all ITAR controlled technical data
- Physical security and access controls at all company facilities
- Management commitment to ITAR compliance



NCAGE

MRO is registered under the NATO Commercial and Government Entity program. MRO's registration number is L1160.

Key Staff Contacts

Kevin Stiles

President

kevin.stiles@mroelectronics.com

Phil Stiles

Managing Director

phil.stiles@mroelectronics.com

Aileen Sison-Catahan, ASQ COE IPC620 CIT

General Manager / CGP DO

aileen.sison-catahan@mroelectronics.com

Mark Stiles

Vancouver Branch Manager

mark.stiles@mroelectronics.com

Diana Wildfong

Edmonton Branch Manager

diana.wildfong@mroelectronics.com

Alfredo Catahan

Senior Account Manager

alfredo.catahan@mroelectronics.com

