



Commercial Drone/UAS/RPAS Airborne & Ground System Engineers

Corporate Description

MANNARINO Systems & Software Inc. is a leader in COTS software products and providing safety-critical systems & software engineering services to the aerospace, defense, space, simulation & power generation industries. We work with many of the top players within their industries giving our employees exposure to the most interesting and challenging development projects. This stimulating and invigorating working environment allows our team to be at the technological forefront constantly broadening their expertise and honing their skillset to fulfill the ever-growing global high-tech market needs.

The MANNARINO culture is focused on high quality, hard work, professionalism and team work within a highly respectful, motivating atmosphere geared towards long-term business growth.

As a member of our team, you will benefit from:

- a comprehensive group insurance and RRSP plan
- a flextime policy with paid overtime
- discretionary bonuses
- a fitness reimbursement program
- other office perks such as catered weekly lunches and free hot beverages (espresso, coffee, hot chocolate and tea)
- regular company outings

MANNARINO is a privately-held Small & Medium Size Enterprise (SME) and was recently awarded the [AIAC's Innovation Technology Award](#)

Career Opportunity and Primary Roles / Responsibilities

We are currently seeking highly-motivated aerospace system engineers for a new exciting Unmanned Aircraft System (UAS) project.

Interfacing with customer and other team members the candidate must be able to work independently in a dynamic, fast-paced development/certification program. Excellent communication skills will be required.

Required Competencies

- Systems engineer with 5+ years of experience in aerospace, defense or UAS development projects
- Technical Background (at least one, ideally several items below):
 - Aerospace systems engineering development process (ARP 4754A)
 - Experience in capturing system requirements and system-level artifacts for PDR
 - Experience in developing System Safety Analysis per ARP4761 (eg. FHA, FTA, PSSA, FMECA)
 - Experience in airborne UAS electronic systems (e.g. Avionics, GPS, Mission Systems)
 - Air Vehicle Requirements & CONOPS
 - Avionics electronic hardware
 - Aircraft Electrical Power System (Battery cell, Battery Management System (BMS), Power Distribution)
 - Vehicle Management System
 - Perception System (i.e. Cameras, Image Processing, GPU)
 - Experience in UAS ground station system & software development (i.e. Cellular Communication System, Remotely Piloted Aircraft Systems (RPAS) Graphical User Interfaces)
 - UAS Management System (Mission Planning)

Other Competency Assets

- Familiar with aircraft/system certification process
- Familiar with Unmanned Aircraft Systems (UAS) development and operation

Miscellaneous Requirements

- Ability to communicate effectively in English (oral and written)
- Occasional travel required to customer sites (usually within North America)
- Must be eligible to work in Canada
- Available full time

At MANNARINO, we believe that passion and a desire to learn is crucial. Diversity of thought and experiences leads to innovative solutions and creativity. This is why we would like to encourage all those interested to apply.

**Please submit your application by
E-mail: rh@mss.ca**

*We are an equal opportunity employer.
All applicants will be held in strictest confidence.
Only those selected for interview will be contacted.*
