



WORLDWIDE FLEET MANAGEMENT

Engineering Overview



Eagle Facilities

- Over 215,000 ft² of facility space globally
- Facility Locations:
 - Calgary, AB Canada
 - Santiago, Chile
 - Springfield, MO, United States





Meet the Eagle Engineering Team



Matthew Peters
Director of Engineering

Matt brings more than 20 years of aviation Engineering experience in a variety of roles.

From more than a decade of designing structural repairs and modifications for large maritime helicopters, creating structural mods and avionics installations for commercial transport category aircraft, to overseeing the actions of successful certification engineering teams and the activities of Transport Canada DAOs. Matt has had a diverse career in aviation engineering.

Matt is currently the head of Eagle's Transport Canada DAO where he holds delegation in the structures speciality.



Meet the Eagle Engineering Team



Norberto Flores

Principal Avionics Technologist

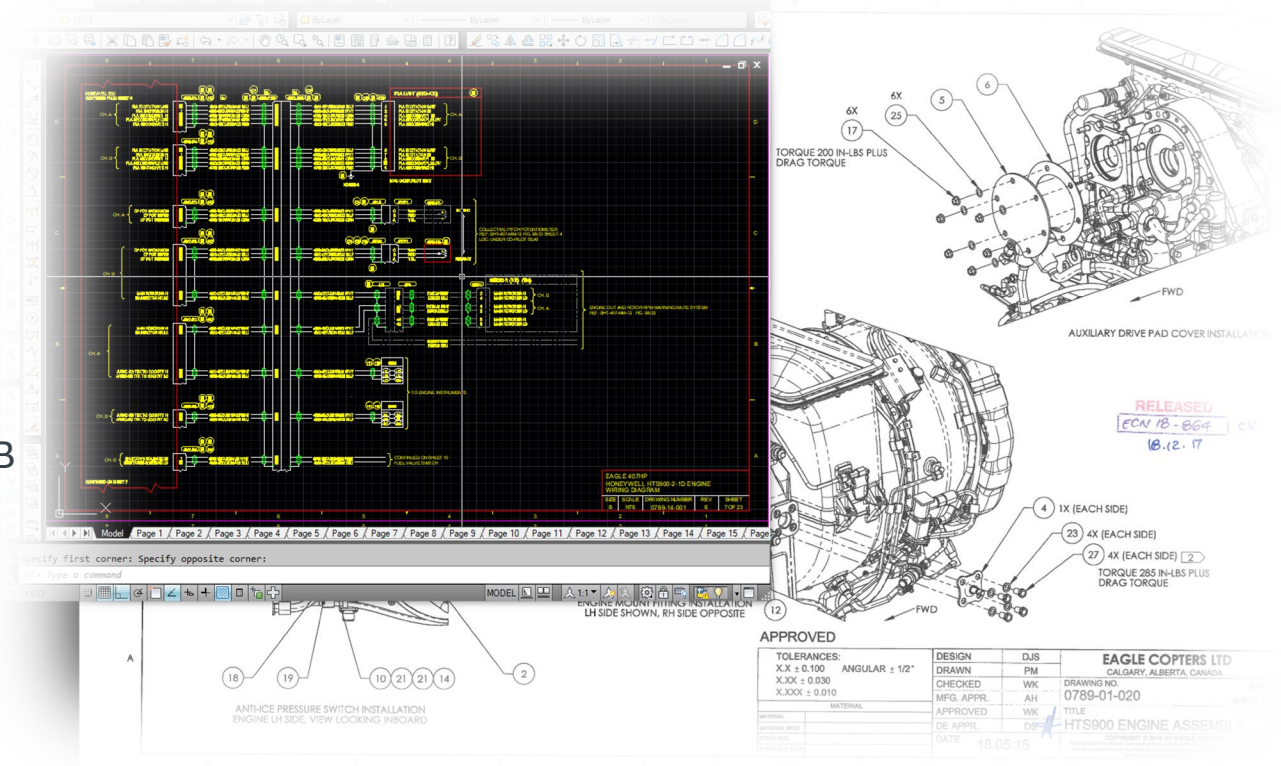
Norberto brings more than 21 years of aviation engineering experience in a variety of roles. From more than a decade of designing avionics/electrical systems, installations to flight test instrumentation, designing and testing for commercial transport category aircrafts. Norberto has worked on a diverse set of aircraft types and projects.

Prior to joining Eagle, Norberto spent more than 13 years working in certification engineering and more than 7 years working in flight test engineering for Bombardier Aerospace and Mitsubishi Regional Aircraft flight test program.



Engineering Overview

- All-in-One design services: Design, Certification, and Installation
- Eagle's design and engineering team of aerospace, avionics, and mechanical engineers work closely with the aircraft maintenance and manufacturing teams to design, build, install and certify innovative and practical solutions.
- Our aircraft certification team currently maintains over 70 STC's with more than 150 approvals in Airworthiness Jurisdiction in the world including EASA, TCCA, FAA, JCAB and others.
- Transport Canada approved Design Approval Organization (DAO)
 - STC, Repair and Part Approvals
- Focused on expanding operational capability and extending the longevity and value of aircraft





Eagle STC Types & Capabilities

Eagle's STC Portfolio Includes...

Including the following but not limited to:

- Eagle 407-407HP conversion (SH14-47)
- 407 Inlet Barrier Filter (SH16-9)
- Eagle Single 212 conversion (SH07-28)
- Eagle Single Inlet Barrier Filter (SH07-49)
- Eagle Single 212 Avionics Upgrade (SH21-44)
- H125 Police Configuration Installations (C-LSH20-070/D, C-LSH20-084D)
- H125 control panel install C-LSH04-159/D
- H125 audio system install SR00521SE
- H125 supplemental avionics console SR00222SE
- BK117 audio system install SR02270SE
- H125/H130 28-14 VDC power converter SR02301SE



In-House Certifications

Internal Capabilities

- Transport Canada Design Approval Organization (DAO)
 - STC, Repair and Part Approvals
- Mechanical
 - Cargo-baskets, landing skids, escape ladders, etc.
- Structural
 - Airframe modifications
- Avionics
 - Displays, control panels, radio systems, etc.
- Systems
 - Bleed air systems, fuel systems modifications, etc.





AS350/H125 Upgrades for Calgary & Edmonton Police Service

Eagle successfully completed multiple avionics and critical mission systems upgrades for Edmonton Police Service's and Calgary Police Service's new Airbus H125.

In addition to the installation of the latest avionics and mission equipment, EPS & CPS upgraded the P132 Electrical Console and P139-HD Digital Audio System. This audio system is extremely popular with law enforcement, EMS, and government agencies worldwide for its leading-edge multicast and bi-directional repeater technology. It's Night Vision compatibility, and the ability to support up to 30 transceivers and 18 headsets makes it versatile for any application

The EPS & CPS H125 upgrades was completed entirely in-house at Eagle's Canadian headquarters in Calgary, Alberta.





AS350/H125 Upgrades for Calgary & Edmonton Police Service

Details of the Installation Under Our STC Approval:

- Customized Instrument Panel
- Customized Collective Barrier Console
- L3 Wescam MX-10 Camera
- Churchill Navigation AOM Mapping & ION Recording Systems
- 17" MacroBlue Display
- Visilink HDX-1100 Downlink System
- Radiowaves OMNI-22/4/RG-N Downlink Antenna
- Trakka Searchlight
- Customized Mission Equipment Electrical bus
- Custom Avionics Shelf in the LH Baggage Compartment
- Custom Accessory Mounts for Tablet Holders
- Custom Pilot and TFO Storage Boxes with Cup Holders
- Garmin GTS 800 Traffic Advisory System
- Garmin GRA 5500 Radar Altimeter





AS350/H125 Upgrades for Calgary & Edmonton Police Service

Additional Installs Performs By Eagle Under Other Approvals:

- A.E.M P-132 Console Electrical System Upgrade
- A.E.M P-139 Digital Audio System
- A.E.M Loudspeaker System
- TDFM-9000 Police Radios
- Garmin G500H TXi Touchscreen Displays
- Air Conditioning System
- Digital Clock





Bell 212 Eagle Single Avionics Upgrades

Eagle's Bell 212 upgrade to an Eagle Single gives you much more capability and reduced operating costs, setting a new standard for the Bell medium lift helicopter market.

While performance alone has set a new standard, the benefits don't stop there. The Eagle Single can be configured to your specifications with the latest avionics equipment for a better overall flying experience. From the displays to the instruments, all the information you need is right at your fingertips to provide you with more efficient and more accurate data.



EAGLE SINGLE



Bell 212 Eagle Single Avionics Upgrades

Eagle Single Enhanced Avionics Configuration:

- Pilot & Co-Pilot G500H TXi Systems
- Garmin GTN 750H Xi GPS/COMM/NAV
- Garmin GTN 650H Xi GPS/COMM/NAV
- Garmin GTX 345R Transponder
- Dual MidContinent MD-302 SAM
- A.E.M P139 Digital Audio System
- Garmin GTS 855 TCAS I System
- Garmin GRA 5500 Radar Altimeter System
- Bendix King KN63 DME System
- Artex 406 ELT

Eagle Single Utility Avionics Configuration:

- Garmin GTN 635H GPS/COMM
- Garmin GTR 225 COMM
- Garmin GTX 345 Transponder
- Jupiter Avionics JA95-044A Audio Panel
- Dual Technisonic TDFM 136B FM Radio
- Artex 406 ELT
- A.E.M 300W External Public Address System





Bell 412 Custom Avionics Installation

Eagle has a successful history of custom avionics installation to customer specifications.

We work with customers to understand their mission types and needs in order to come up with solutions that work for you.

Eagle has all the capabilities to be your one-stop shop for all your helicopter needs. From conceptualizing custom installations all the way through to the certification process, Eagle's teams will work with you every step of the way.





Bell 412 Custom Avionics Installation



Mission Specific Avionics Upgrades:

- Garmin 400W WAAS Certified GPS
- Garmin GAD 42 Interface Adapter
- Mid-Continent MD41-1408A NAV Switching Control Unit
- BendixKing RDR 2100 Digital Weather Radar
- L3 SkyWatch HP TCAS I
- BendixKing KMD 850 Multi-Function Display
- Kannad 406 MHz ELT with NAV Interface
- Load Cell Meter Mount

FLY. LET US DO THE REST.



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