



AVIAGLOBAL GROUP
INSIGHT, ACTION, ADVANTAGE

Peregrine Website 2.0 Development Review

08 December 2020

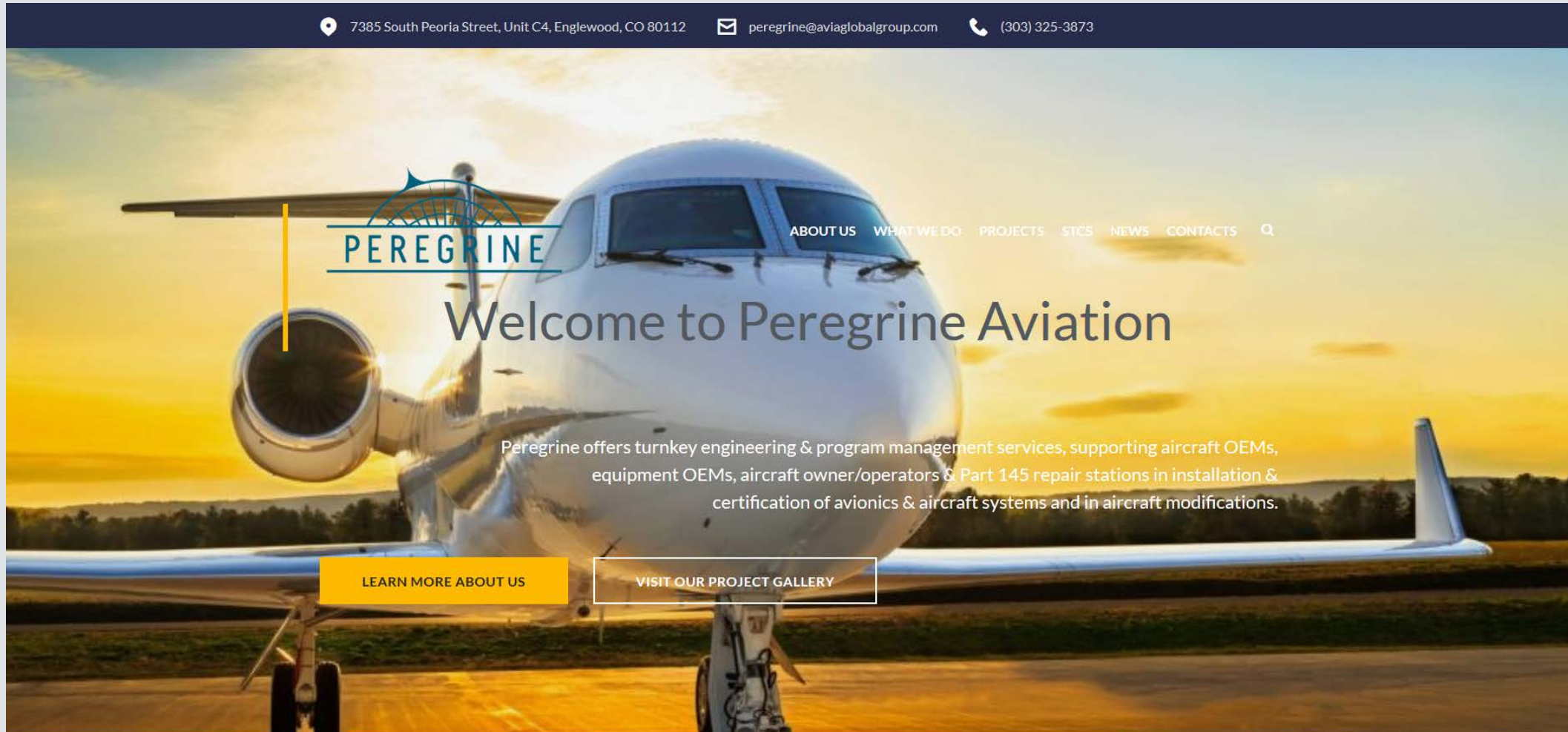
- Content Status
- Development Status



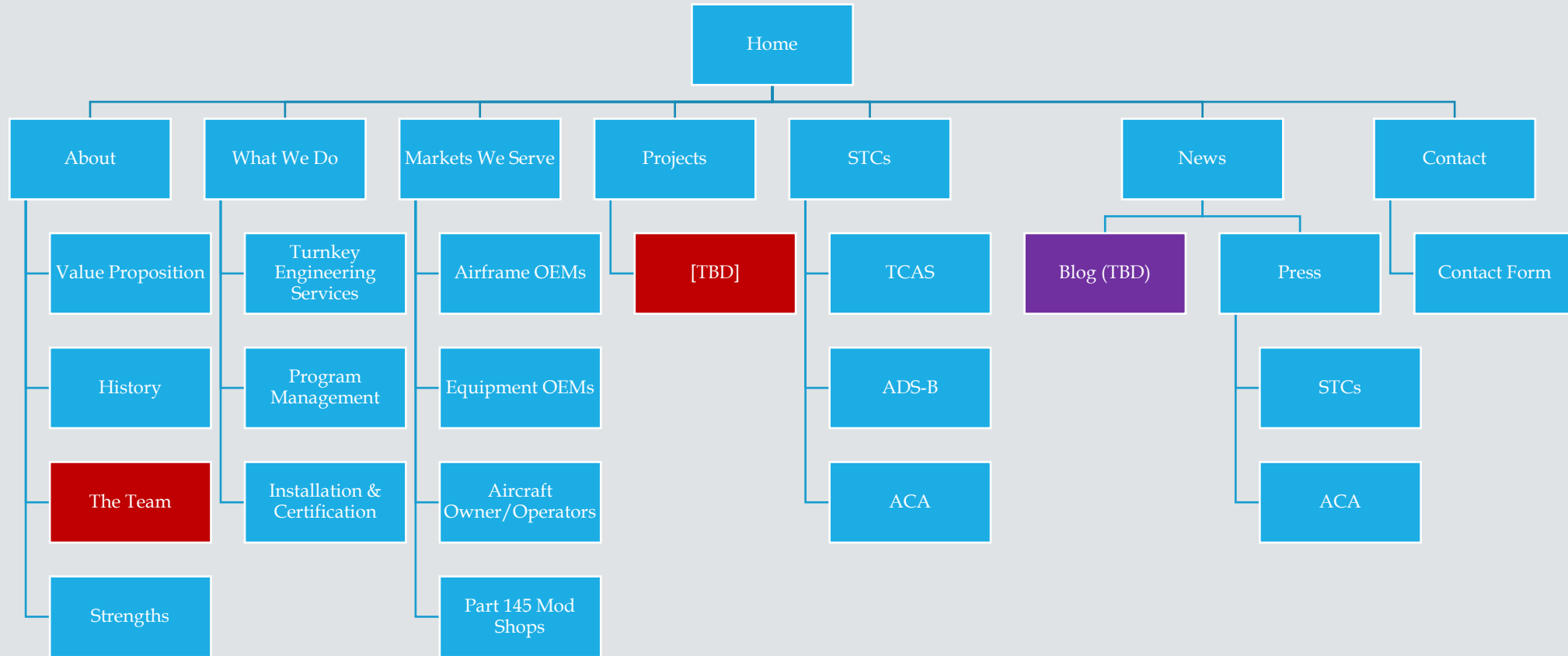
Website Development Status (as of 08 Dec 2020)

- Technical Aspects
 - Prototype website has been loaded: WordPress with Elementor Builder
 - Website template has been installed (“Fabricator” from Template Monster)
 - Security tools have been loaded (“Really Simple SSL”, “Loginizer”, “Malcare”)
 - Productivity tools have been loaded (“filr” to facilitate user file download management, advanced search tool, etc.)
 - Templates have been loaded to build Project, Product, Team, News & Blog pages, among others
 - Social media tools have been loaded for integration with the Blog page and to support user login
- Page map & top level website menu recommendations
 - [About Us – What We Do – Projects – STCs – News – Contact](#)
 - Buttons on home page for “Learn More About Us” & “Understand Our Capabilities”
 - Call to Action button to “Visit our Project Gallery” (graphic intensive)
 - Login button will be placed on top bar
- Page content has been identified for many of the pages
 - Work remains in progress on **press releases & project cases**
 - Content related to “**About**”, “**What We Do**”, “**Understand Our Capabilities**” and “**STCs**” is being formatted for web pages
 - Content development is now focused on “**Projects**”, which will include **testimonials, logos**, etc.
 - Will **need to focus on cosmetics and images** – most of current images are too low resolution for a website

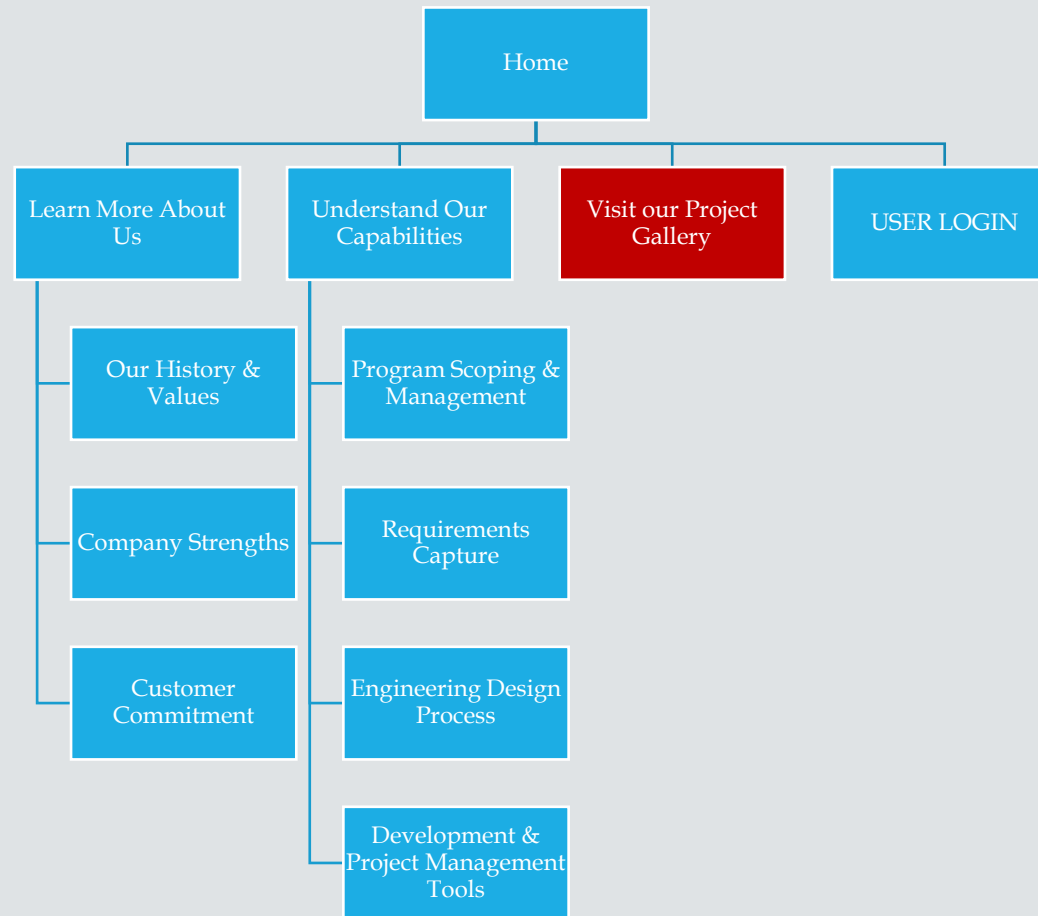
Landing Page Screenshot



Site Map (Main Menu)



Site Map (Call to Action Buttons)



Content Development

- Value Proposition (supporting Slide 3 from plan)
- Customer Experience (supporting Slide 4 from plan)
- Company Strengths (supporting Slide 5 from plan)

Arrive from Landing Page

Who We Are

- Peregrine was established in 2009 at Centennial Airport with the goal of becoming an engineering, certification, and manufacturing resource capable of providing end-to-end FAA-approved STC solutions for the aviation community. Over the past ten years, Peregrine has completed numerous STCs and has emerged as a top performing integration and certification team in the industry.
- The company has been especially active over much of the past decade in developing certified solutions for the next generation of air traffic control technologies. This includes development of STCs providing ADS-B Out capability for all types of aircraft operating within the US and abroad.
- In 2017, the company signed a “Partnership for Safety Plan” with the FAA that set standards for successful and effective project management and certification activities with the Denver Aircraft Certification Office. Peregrine is now working with the FAA to obtain Organization Designation Authorization (ODA). This designation will authorize the company to more efficiently perform key functions in managing certification projects and determining compliance in accordance with stringent FAA procedures, guidelines, and oversight.
- “We would like to thank our customer and partner network that have made this possible. Without our network, Peregrine would not be here today”, says Peregrine’s president, David Rankin.

Arrive from Landing Page

The Peregrine Value Proposition

- Peregrine offers turnkey engineering & program management services, supporting aircraft OEMs, equipment OEMs, aircraft owner/operators & Part 145 repair stations in installation & certification of avionics & aircraft systems and in aircraft modifications.
- Peregrine has built its core business through collaboration-driven partner networks, that continuously generate & build business, new customer referrals.
- Peregrine’s broad skill set and experience base accommodates programs of varying scope & size.
- Diverse and growing inventory of STCs & kit designs - easily adapted to specific client needs.

Concepts above will be woven into the Peregrine marketing message throughout the website content and will be used in marketing collateral overall, via press releases, trade shows and white papers

Turnkey Engineering Services (Link to Value Proposition)

Project Life Cycle Support: Total, Partial, As Needed

- Concept & Planning
- Design & Testing
- Implementation & Installation
- Airworthiness Approval
- Feedback & Evolution

Characteristics of our Offer

- Competency
- Experience-based
- Comprehensive
- Continuity
- Consistency
- Integrity

Peregrine collaborative client project approach insures all elements are considered, solved to satisfaction of stakeholders – solution provider, end user, regulators.

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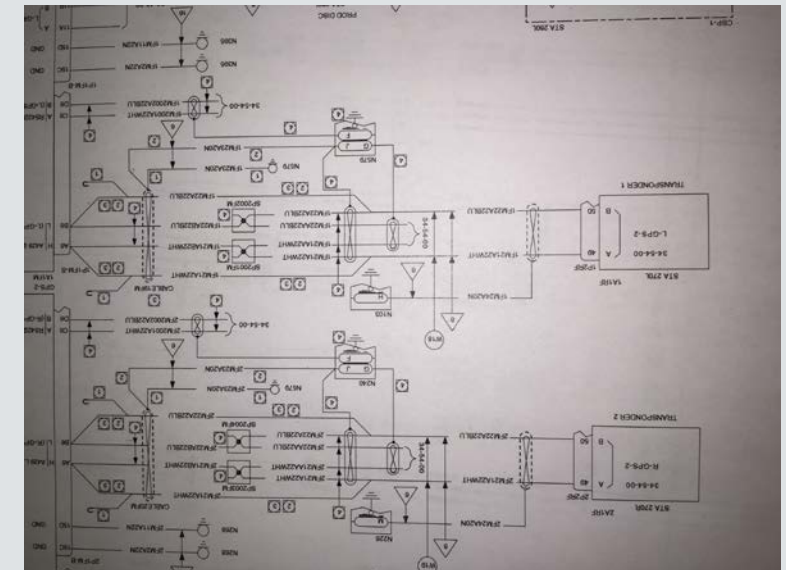
3 - Hawker 400 Production Line, 2010.jpg



027A0295.jpg



200AP Aft shelf.jpg



IMG_1635.JPG

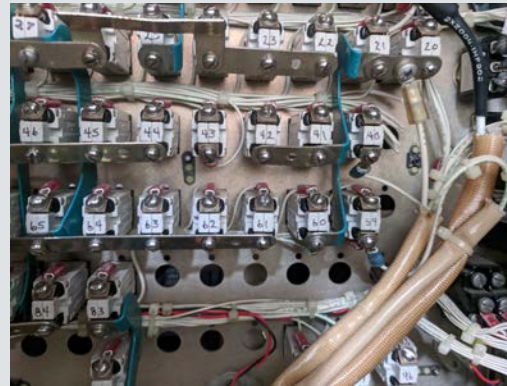
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The screenshot shows the FAA's STC search results for 'peregrine'. It lists 30 results, including various STCs for ADS-B equipment, altimeters, and transponders. The results are organized by STC Number, Make, Responsible Office, STC Holder, TC Number, Product Type, and Surrendered status. A 'New Search' button is visible in the top right corner.

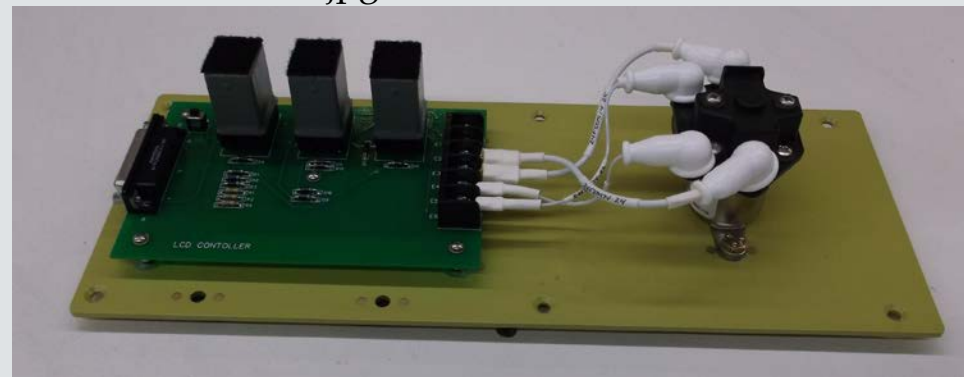
Rgl.faa.gov



N525KM Rack Assembly.jpg



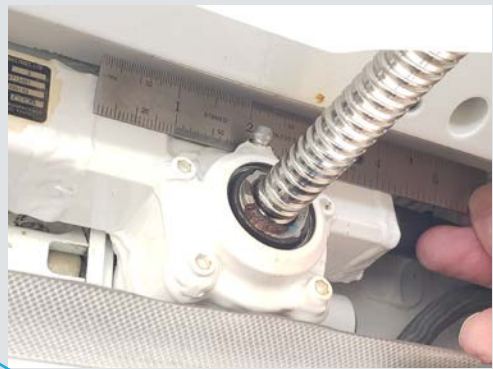
IMG_20190215_120146.jpg



0b - Fokker50Freighter Controller.JPG



#3 Flap Actuator- Caliper.jpg



Flap Actuator - Scale.jpg

DSCF1058.JPG



Concept & Planning
Design & Testing
Implementation & Installation
Airworthiness Approval
Feedback & Evolution



10a - Test Team, Ground Checks.JPG



8b - S76 Display Upgrade.JPG



Screenshot_20160822-110554.png

Program Management (Link to Value Proposition)

Action Plan & Program Control

- Scope Statement
- Critical Success Factors
- Deliverables Definition
- Work Breakdown Structure
- Schedule & Budget
- Quality & Resources Plan

Characteristics of our Offer

- Fundamentals Mastery
- Applied Experience
- Rigorous Requirements Capture
- Due Diligence
- Detailed Client Interface
- Outcome-Driven Flexibility

Peregrine/client partnership creates baseline expectation which Peregrine vigorously controls through practiced, proven program execution & feedback ... delivering programs first time, on time, as promised

Installation & Certification (Link to Turnkey Engineering Services)

Peregrine's Tools

- Organization Designation Approval (ODA)
- Electrical/ Systems DER Support
- Access to partner specialists

Result for the Client

- Clients quickly achieve stretch goals & objectives
- First pass competency
- Comprehensive results
- Multiplier effect
- Efficient program process

Clients achieve successes not otherwise possible, and do so with significant efficiency gains, through Peregrine's extensive fundamental skill set and the ODA process, with access to multiple disciplines

Extensive Market Focus (Link to Value Proposition)

Engineering & certification services ... all segments

- US FAA, EASA & Reciprocating
- Airframe OEM
 - Business & Regional Specialists
- Avionics OEM
- Aircraft Owner, Operators
 - Fleet Operator Specialists
- Part 145 Repair Stations
- Avionics & electrical systems

Key Messages

- Broad breath of knowledge, understanding and experience
- Core competencies
- Enhanced competencies through Peregrine's associates network
 - *PaRA* (Peregrine aerospace Resource Access)
- Proven success in regulatory approval processes

Client realizes advantage by saving time, resources and facilitating client successes, leveraging Peregrine skills set & PaRA network



Airframe OEMs

(Link to Extensive Market Focus)

Direct to markets

- Rotor & Fixed Wing
- Manned & Unmanned
- Business Aircraft
- Air Transport
- Public Aviation Aircraft
- Civil Avionics/ Military Airframes
 - Tanker/ Trainer/ Transport

Key Messages

- Affordable, efficient, demonstrable qualified in-production support for surges, recovery, accelerating
- Increase margins from in service support without adding resources
- Expanded capability for certifications, program support, turnkey or limited contribution ... outsourcing as needed
- Enhanced onboard health & safety innovation
- Improve efficiency supporting post-delivery clients
- Improve end-user experience – “buy again”

Operational improvements, from flight deck enhancements, onboard pax support and onboard health & safety augmentation, specializing in innovative solutions, delivered by Peregrine’s core and PaRA team.

Equipment OEMs

(Link to Extensive Market Focus)

Indirect to markets

- Avionics, Integrated & Federated
 - Comm, Nav, Surveillance, Connectivity, systems management
- Electrical
 - Utility systems
 - Cabin passenger interface

Key Messages

- Supplemental support for any part of or complete programs/ projects
- Enhanced client ability to address their markets
- New concepts, solutions
- Collaborative and non-intrusive

Reliable support when needed to free up internal resources, engage new business, accelerate or recover program/project efforts.

DACInternational

Replacement of Honeywell (formerly Sperry) ED-800 cathode ray tube (CRT) display, part number 7003110-90 I or 7003110-902, with Esterline CMC Electronics CMA-6800 multi-purpose liquid crystal display (LCD),



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST00813DE

This certificate issued to: Peregrine
7385 S. Peoria Street Unit C4
Englewood, CO 80112

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 21 of the Federal Aviation Regulations:
* Certification basis is established in the Type Certificate Data Sheet applicable to the listed models in the FAA Approved Model List (AML).

Original Product - Type Certificate Number: Make: FAA Approved Model List (AML) for CMA-6800 Multi-Purpose Liquid Crystal Display, Document No. ST00813DE, Rev. B, dated May 23, 2016, or later FAA approved revision, lists the approved airplane models, applicable installation data requirements, and specific limitations.

Description of Type Design Change:
Replacement of Honeywell (formerly Sperry) ED-800 cathode ray tube (CRT) display, part number 7003110-901 or 7003110-902, with Esterline CMC Electronics CMA-6800 multi-purpose liquid crystal display (LCD), in accordance with Master Drawing List, E-01-10-002, Rev. A, dated March 11, 2016, or later, FAA approved revision.

Limitations and Conditions:

1. The installer must determine if this design change is compatible with previously approved modifications.
2. Reference the existing instructions for Continued Airworthiness, if applicable.

(Limitations and Conditions continue on page 3 of 3)

This certificate and the supporting data which is the basis for approval shall remain in effect unless amended, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

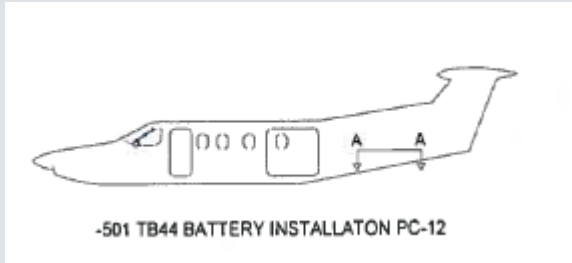
Date of Application: March 3, 2015 Date Reissued: December 19, 2018
Date of Issuance: May 23, 2016 Date Amended:

By Detection of the Administrator

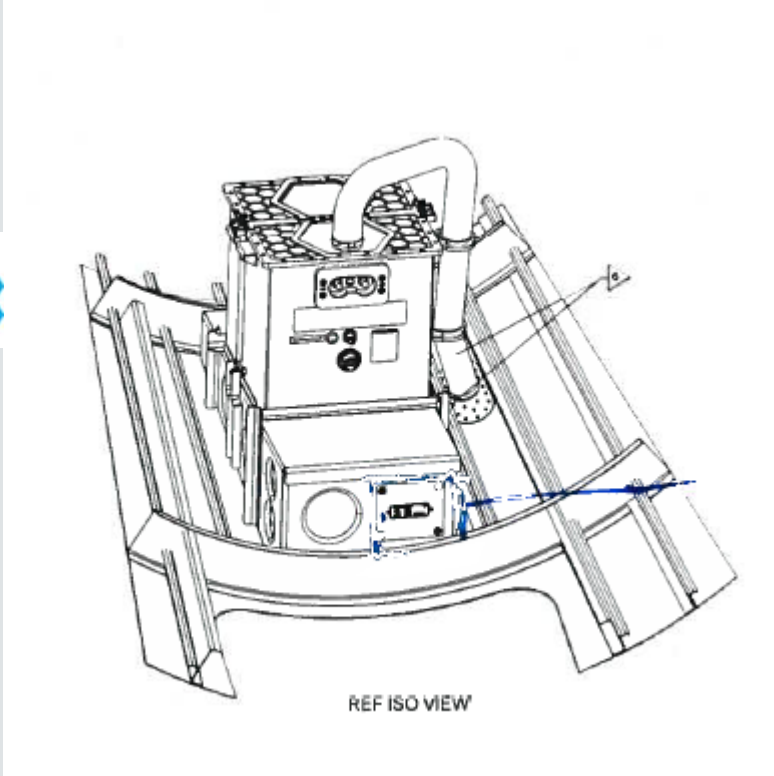
Signature: Todd Dixon
Title: Manager, Denver ACO Branch
Compliance and Airworthiness Division

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third parties by licensing agreements in accordance with 14 CFR 21.67. Possession of this Supplemental Type Certificate (STC) does not constitute an approval of the design data nor does it allow an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. All STC holder's documents are restricted. Use of the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission applicable to the FAA. (Ref. 14 CFR 21.105)

FAA Form 8130-2 (2014) Page 1 of 3

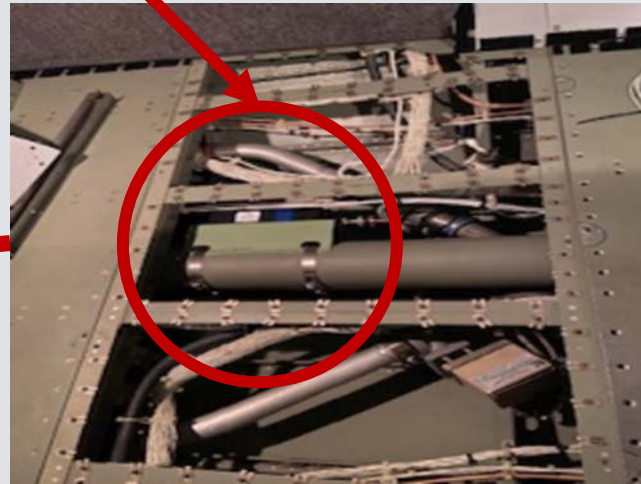
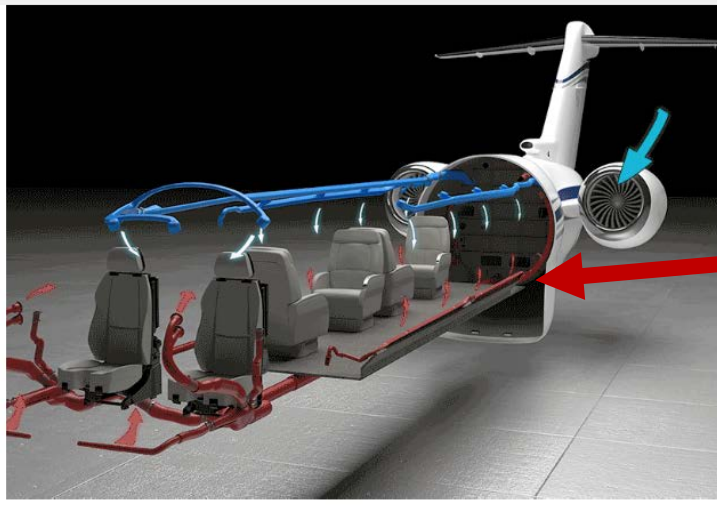


Replacement of of main ship battery with high-capacity, lightweight lithium ion battery in PC-12, with considerations for all special conditions for lithium battery installations





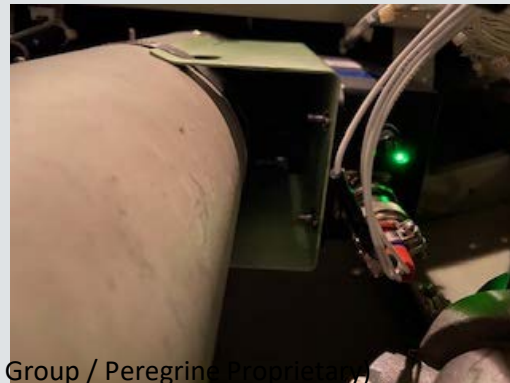
ACA System



ACA needle point bipolar ionization system (NPBI™) system installed in fresh air duct feeding the cockpit and cabin of the aircraft

In other aircraft, one unit would be installed per ECS pack or source of fresh air feeding the cabin and cockpit.

The ACA units are a proactive air and surface purification technology installed in the aircraft environmental control system ductwork giving crew and passengers immediate clean, safe and healthy interior air. In addition to removing odors and allergens, its patented ionization technology kills pathogens throughout the cockpit and cabin including, but not limited to COVID 19, Bird Flu Virus (H5N1), Swine Flu Virus (H1N1), SARS Bacteria, Staph Bacteria, Mold Spores, MRSA, E.coli, T.B., C.diff, Pneumonia and more. Testing for SARS-CoV-2 (COVID-19) effectiveness validation performed by an independent laboratory demonstrates over 99% effectivity. 08 December 2020



Aircraft Owner / Operators

(Link to Extensive Market Focus)

Direct support solutions for your clients, aircraft and crew

- Operator site, schedule, budget
- Avionics updates, original innovations
- Electrical systems mods, resolutions modernizations
- Health & safety answers

Key Messages

- Innovation in health & safety
- Mandate compliance or ops gains
- Direct operating cost efficiency gains via post-delivery classic “Modernization”
- Reduced maint costs with equipment obsolescence cures
- Attract pax business with cabin updates

Decrease operating costs or improve revenue/ pax services enabled by Peregrine innovations, collaboration partners and the PaRA

Part 145 Repair Stations (Link to Extensive Market Focus)

Direct support for clients

- Repair station and, or remote site, schedule, budget
- Avionics updates, original innovations
- Electrical systems mods, resolutions modernizations
- Health & safety answers

Key Messages

- Supplemental support for any part of or complete programs/ projects
- Enhanced client ability to address their markets
- New concepts, solutions
- Collaborative and non-intrusive

Decrease operating costs or improve revenue/ pax services enabled by Peregrine innovations, collaboration partners and the PaRA

Aircraft Modifications (Link to Value Proposition)

- US FAA ODA – Organization Designation Approval
 - Electrical/ Systems DER Support
 - Access to partner specialists
- Improved project turn-around time
 - Improved predictability of project requirements
 - Better cost control
 - Innovation in health & safety
 - Mandate compliance or ops gains
 - Direct operating cost efficiency gains via post-delivery classic “Modernization”
 - Reduced maint costs with equipment obsolescence cures
 - Attract, regain pax business with cabin updates
 - New fixes for mature, in service aircraft
 - Decrease operating costs or improve revenue/ pax services enabled by Peregrine innovations, collaboration partners and the *PaRA*

Arrive from Landing Page

What is the Peregrine Customer Experience?

- Peregrine’s customer commitment...
 - Accurate requirements capture & engineering design
 - Reliable program scoping & management
 - Efficient & effective program communication – no surprises
- ...which leads to
 - Market leading in delivered value for money
 - Delivering on schedules & commitments
- Impeccable quality of work with commitments met - Peregrine delivers as promised, first time, every time

These messages will be reinforced throughout both website and marketing collateral as well

The Peregrine Customer Commitment

Keyword

- Reputation
- Measurable
- Defined methodology

Benefit

- Customers assured by established history of quality work validated by prior customer experience
- Customers can evaluate Peregrine based on body of work, measurable by scope of STCs, PMAs and work product
- Customers can expect an organized project based on documented processes and procedures used with success over numerous programs

Accurate Requirements Capture & Engineering Design

Keyword

- Common tools
- Defined methodology
- Experience with FAA and ACO

Benefit

- Customers can communicate with Peregrine using industry standard tools and formats
- Requirements capture and engineering design guided by established processes and procedures that enhance customer assurance of predictable project success
- Peregrine understanding and confidence of FAA and ACO streamlines approval and reduces costly surprises

Reliable Program Scoping & Management

Keyword

- Experience-based program evaluation and schedule development
- Project deliverable elements scoped

Benefit

- Customers can evaluate project scope and management based on Peregrine experience over multiple projects similar to customer's needs

Professional Program Communication – No Surprises

Keywords

- MSProject used
- Clear milestones
- Predictable FAA response times

Benefit

- Customer communications use a common, established scheduling and reporting tool
- Common milestones, based on regulatory and industry practice allow customers to understand key project achievements or concerns
- Peregrine's experience with FAA and ACO establish clear expectations based on prior activity

Market Leading in Delivered Value for Money

Keyword

- Predictable
- Experience-based
- Established methodology
- Clear communication
- Reduced uncertainty

Benefit

- Customers expectations can be based on prior experience to reduce uncertainty
- Predictability based on years of similar activity reducing schedule and scope variability
- Clear processes and procedures provide guidance to ensure repeatable, predictable outcomes
- Customers can be assured, based on prior experience, that progress and roadblocks will be clearly and regularly communicated
- The best value is assured through predictable activity without *excessive contingencies baked into the project price*

Delivering on Schedules & Commitments

Keywords

- Clear understanding of project timeline
- Experience with FAA turnaround time

Benefit

- Customers can evaluate Peregrine performance based on a history project success
- Customers can rely on Peregrine's actual experience with the FAA and the expected impact of FAA response times

Peregrine delivers as promised, first time, every time

Arrive from Landing Page Key Company Strengths

- The Peregrine team is known for solving difficult engineering & certification challenges with programs typically ranging from 2 to 16 months.
- Peregrine has successfully teamed with avionics OEMs such as Bendix-King, Garmin, Trig, Mid Continent, Universal, DAC International, Becker Avionics & Baker to put solutions into the field.
- Peregrine has launched collaborations with key air frame manufacturers, such as Gulfstream, Bombardier, Learjet, Textron, Curtiss Wright and Dassault.
- Peregrine works closely with Part 145 maintenance, repair and overhaul (MRO) centers such as Duncan and Worldwide to help them in providing customer solutions.
- Peregrine has launched the process of becoming an ODA, to help their clients achieve approvals faster, to enhance their program business and to develop a niche for the company.

Strengths will be communicated via case studies, to emphasize the reality of Peregrine’s achievements

Background Thoughts



The Peregrine Team is known for...

Keyword

- Solving difficult engineering & certification challenges

Benefit

- Customers can evaluate Peregrine's experience base over a wide range of programs
- Customers can see examples of challenges and solutions
 - CN-5000 transponder
 - ACA installations

... with programs typically ranging

Keywords

- Programs range from 2 to 16 months.

Benefit

- Customers can be assured that ...

Peregrine teams with Avionics OEMs

- Experience working with avionics OEMs
- Bendix-King, Garmin, Trig, Mid Continent, Universal, DAC International, Becker Avionics & Baker

Peregrine collaborates with key air frame manufacturers

Keyword

- Major airframe OEMs utilize Peregrine

Benefit

- Gulfstream, Bombardier, Learjet, Textron, Curtiss Wright and Dassault have confidence in Peregrine is demonstrated by numerous program where Peregrine engineering work has been in-drawn into OEM projects

Peregrine works closely with Part 145 Maintenance, Repair and Overhaul (MRO) centers

Keyword

- Experience with Part 145 repair stations
- Adjunct to Part 145 engineering

Benefit

- Customers can see that Duncan and Worldwide turn to Peregrine to help them in providing customer solutions
- Part 145 repair stations augment their engineering capability with Peregrine's expertise; customers can achieve the same advantage

Peregrine is in the process of becoming an ODA

Keyword

- ODA

Benefit

- The Peregrine ODA will help their clients achieve approvals faster
- Reduced dependency of FAA regulatory timelines can speed-up time critical customer programs