

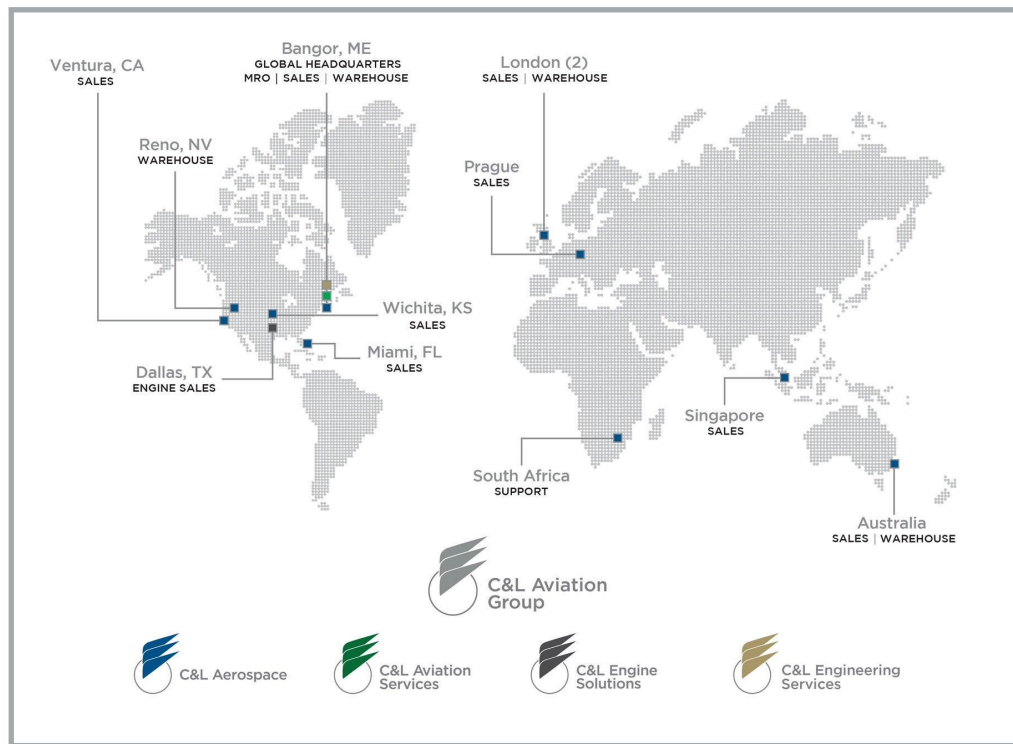


C&L Aerospace

# **ERJ 135/145/LEGACY PROGRAM GUIDE**

+1 207 217 6050 | [inquiries@cla.aero](mailto:inquiries@cla.aero) | [cla.aero](http://cla.aero)

YOUR ONE-STOP SOLUTION FOR ERJ 135/145/LEGACY SUPPORT AND SERVICE



## Overview of ERJ Support

We have one of the world's largest inventories of ERJ 135/145/Legacy - rotatable and expendable - available for operators along with a complete range of programs and parts support that can be tailored to your specific needs.

Through our extensive investment in ERJ teardown projects and acquisitions we hold a rotatable pool valued at over \$25 million dollars. This inventory has all been inspected and tagged and located in our global warehouses available for purchase.

At C&L, aircraft parts are thoroughly inspected and tagged prior to being placed in inventory ready for sale. All of the parts and certificates are photographed and scanned, and they are readily available for customer inspection online and included as part of a quote.

**24/7 parts support and international same-day shipping from our strategically located, fully stocked warehouses around the globe.**

### We offer:

- Spare Parts Supply
- Landing Gear Programs
- Exchange Programs
- Repair Management
- Consignments
- Power-By-The-Hour Programs
- Rotable Repair Management
- Distribution of OEM Product
- Contract Pricing
- Procurement
- Supply Chain Support



North America +1 207 217 6050  
 Latin America / Caribbean +1 207 217 6085  
 Europe / Africa +420 312 312 601  
 Asia / Australia +61 (0)7 3354 8100

| Part #      | PO # | Description                             | Qty | Shipped on | Shipped Via | Account # | Tracking # | Download Invoice         |
|-------------|------|---|-----|------------|-------------|-----------|------------|--------------------------|
| 7232500-081 |      | SHAFT                                   | 1   | 2017-12-07 |             |           | DELIVERED  | <a href="#">20651225</a> |
| PC251-123C  |      | INVERTER/MAIN                           | 1   | 2017-09-27 |             |           | DELIVERED  | <a href="#">20649900</a> |
| 776910-6    |      | AIR CYCLE MACHINE                       | 1   | 2017-09-27 |             |           | DELIVER    | <a href="#">20649899</a> |
| 9302267-047 |      | PANEL, ILLUMINATED FIRE HANDLE          | 1   | 2017-09-14 |             |           | DELIVER    | <a href="#">20649665</a> |
| 9302267-012 |      | PANEL, FLIGHT COMPARTMENT LIGHTS        | 1   | 2017-09-14 |             |           | DELIVER    | <a href="#">20649665</a> |
| 9302267-086 |      | PANEL, ILLUMINATED ICE PROTECTION PANEL | 1   | 2017-09-14 |             |           | DELIVER    | <a href="#">20649665</a> |
| 9302267-086 |      | PANEL, ILLUMINATED ICE PROTECTION PANEL | 1   | 2017-09-14 |             |           | DELIVER    | <a href="#">20649665</a> |
| 9302267-062 |      | PANEL AY-CARGO FIRE EXT                 | 1   | 2017-09-14 |             |           | DELIVER    | <a href="#">20649665</a> |

## Customer Web Portal

With our secure customer portal, tracking your orders, shipment, payments, and more has never been easier.

### Benefits:

- Preloaded pricing for contract items
- Request quotes for parts not covered under contract
- View open purchase orders
- Track shipments
- Print/download invoices
- Print/download statements
- View wire transfer information
- PBH management
- View and track outstanding cores



North America +1 207 217 6050  
 Latin America / Caribbean +1 207 217 6085  
 Europe / Africa +420 312 312 601  
 Asia / Australia +61 (0)7 3354 8100

## LANDING GEAR PROGRAM

- Cost-saving repair management
- Readily available overhaul exchange options
- Loaner gear options
- Sub-assembly support
- Back-to-birth trace on all exchange options
- Exclusive piece part availability



## C11 & C14 APU PROGRAM

- Cost-saving repair management
- Exclusive piece part availability
- Outright and exchange options
- APU loaner options



## ROTABLE REPAIR MANAGEMENT

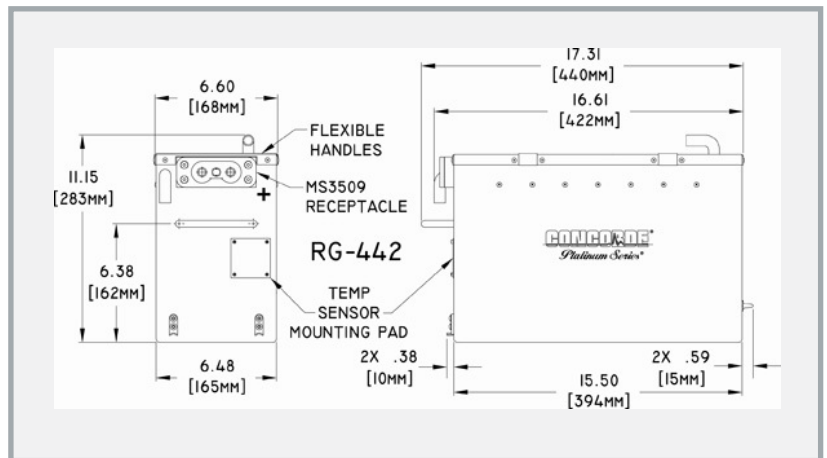
- Extensive vendor relationships
- Dedicated in-house repair management team
- Pre-negotiated vendor pricing
- Cost effective pricing



C&L Aerospace

North America +1 207 217 6050  
Latin America / Caribbean +1 207 217 6085  
Europe / Africa +420 312 312 601  
Asia / Australia +61 (0)7 3354 8100





## Concorde Batteries

Replace your ERJ 135/145 main batteries with higher performance and lower maintenance costs.

C&L, in partnership with Concorde Battery Corporation, offers the Concorde SLA (Sealed Lead Acid) Battery for the ERJ 135/145 Aircraft. The non-hazardous SLA batteries are a maintenance-free battery, as they can directly replace existing Ni-cad batteries and offer superior hot and cold-weather performance and the ability to recover from deep discharge. With this battery, you can expect significant cost savings on maintenance, shipping, installation, and operations.

### Specifications:

|                         |   |
|-------------------------|---|
| Part Number             | RG-442  |
| Size                    | 11.15 x 6.60 x 17.31" max   |
| Rated Capacity C1 in Ah | 44 Ah   |
| Qualification           | STC ST01520WI   |
| Weight                  | 86 lb / 39 KG   |
| Nominal Voltage         | 24V   |
| Transportation          | Non-haz & unrestricted when securely packed & protected against short circuit |

### Introduction to the SLA Battery Maintenance Schedule:

- Drop in replacement
- Lower cost of acquisition
- Reduced cost per flight hour
- No memory effect, cycling requirements, or thermal runaway
- Ship hazmat exempt
- Lead Acid Batteries are 100% recyclable
- Made in USA



North America +1 207 217 6050  
 Latin America / Caribbean +1 207 217 6085  
 Europe / Africa +420 312 312 601  
 Asia / Australia +61 (0)7 3354 8100



## Champion Igniter Plugs

With C&L, you receive major savings on factory new RR AE3007 and Honeywell APS 500 APU Champion Igniter Plugs, which are shown to have a longer life than the competing OEM plugs. As a distributor of this plug, we offer **guaranteed fixed pricing** of Champion FAA-PMA approved Igniter Plugs as a direct replacement for the OEM Igniter Plugs.



|                       | OEM PN   | Champion PN |
|-----------------------|----------|-------------|
| Engine Igniter        | 23062672 | CH31898-1   |
| APU Igniter (APS 500) | 4952359  | CH34834     |
| APU Igniter           | 160544-1 | CH38013     |



C&L Aerospace

North America +1 207 217 6050  
Latin America / Caribbean +1 207 217 6085  
Europe / Africa +420 312 312 601  
Asia / Australia +61 (0)7 3354 8100



## PPG Windshields

C&L Aerospace stocks and distributes ERJ 135/140/145 and Legacy windshields, manufactured by PPG, to operators and MRO facilities around the world.

PPG offers both glass and polycarbonate windshields and come with a 36-month from manufacturer ship date or 24-month from installation warranty, and are stocked at our three global warehouses. We also offer repair management services and serviceable windows for sale at a reduced cost.

| Description                        | PPG Part #    |
|------------------------------------|---------------|
| LH Main Windshield                 | NP-151311-11* |
| RH Main Windshield                 | NP-151311-12* |
| LH Main Windshield (Polycarbonate) | 163500-115    |
| RH Main Windshield (Polycarbonate) | 163500-116    |
| RH Main Windshield (Polycarbonate) | 1163500-117*  |
| LH Main Windshield (Polycarbonate) | 1163500-118*  |

\*Windshield also applicable to the Legacy 600 & 650 aircraft



C&L Aerospace

North America +1 207 217 6050  
 Latin America / Caribbean +1 207 217 6085  
 Europe / Africa +420 312 312 601  
 Asia / Australia +61 (0)7 3354 8100





## Essex Industries PBE Smoke Hoods

Essex smoke hoods for the ERJ 135/145/Legacy aircraft are 1/3 the cost of the OEM product and we offer contract pricing.

| Major Feature                                 | » | Advantage   |
|---|---|---|
| Lightest PBE on the market                    |   | Lowers cost of ownership                            |
| Compressed oxygen cartridges                  |   | Safest PBE available                                |
| No dangerous chemicals used to produce oxygen |   | Can be shipped easily                               |
| Easiest PBE to deploy and don                 |   | Preferred by cabin crew                             |
| PBE with the widest range of vision           |   | Clear visibility in critical situations             |
| Only PBE with end-of-service indicator        |   | Ensures cabin crew safety (see photos to the right) |
| Only PBE with humidity indicator              |   | Quick verification that PBE is operational          |



|                |                |
|----------------|----------------|
| OEM: 15-40F-11 | PMA: MR-10050N |
| OEM: 15-40F-80 | PMA: MR-10039N |



C&L Aerospace

North America +1 207 217 6050  
 Latin America / Caribbean +1 207 217 6085  
 Europe / Africa +420 312 312 601  
 Asia / Australia +61 (0)7 3354 8100



## DU-870 Display Unit Flat-Rate Overhaul Program

p/n 7014300-901 + 7014300-902

Through our partnership with InAir Legacy Avionics Solutions, C&L is offering overhauled DU-870 Electronic Display Units, “as a cost-saving alternative to a Honeywell DU-875 LCD Upgrade, on a Flat-Rate Exchange which comes complete with a 2-year warranty program.



### Available in the following aircraft:

- Embraer ERJ 135/145
- Embraer Legacy 600/650

### Reasons to work with C&L on your DU-870 overhaul:

- A flat-rate overhaul
- 2-year warranty
- Units are in stock at our warehouses around the globe
- Available for immediate shipment
- Units come complete with 8130 dual release tags

## Upgraded Universal Flight Management System

**Do you have a Legacy Universal FMS System Installed in your ERJ?**

At C&L, we understand the “Nextgen” changes happening in your aircraft’s avionics and the need to stay ahead of the changing navigation requirements for SBAS/GPS systems. As a dealer and Installation/Service Center for Universal Avionics products and software, we are able to fully support your transition into an upgraded Universal Flight Management System, SCN1000 Series WAAS/LPV/SBAS System.



C&L Aerospace

North America +1 207 217 6050  
Latin America / Caribbean +1 207 217 6085  
Europe / Africa +420 312 312 601  
Asia / Australia +61 (0)7 3354 8100



## ARTEX Emergency Locator Transmitters and Personal Locator Beacons

Through our partnership with ARTEX, C&L distributes Emergency Locator Transmitters (ELT) and Personal Locator Beacons (PLB), along with their installation kits, batteries, and antennas.

The ARTEX C406-N is a single output ELT that utilizes one RF connector to a single cable that connects to ARTEX single input antennas. The locator provides increased safety and security in aircraft for operators. Units feature the following:

- Global coverage
- Encoded digital message broadcast
- 406 MHz distress
- Local search and rescue signal

Benefits of buying with C&L:

- Quick battery replacement and support
- Installation kits also available
- Antennas and remote switches available for any configuration
- ELT units can come pre-programmed by us so the configuration fits your geographic region
- FAA/EASA/TC approved
- Products stocked in-house and ready for immediate shipment worldwide
- Exclusive discounts available for scheduled orders

|                                     |
|-------------------------------------|
| ELT C406-2: 453-5000                |
| ELT 4000: 8260 (beacon and battery) |
| Battery: 452-0130 & 452-0133        |



North America +1 207 217 6050  
 Latin America / Caribbean +1 207 217 6085  
 Europe / Africa +420 312 312 601  
 Asia / Australia +61 (0)7 3354 8100



## Safran Oxygen Masks

Through our partnership with Safran, C&L offers overhauled oxygen masks at a substantial savings compared to purchasing new.

### Safran Oxygen Masks

- Available for all MC10, MA10, MF10, MC20, MF20 series masks
- Flat rate repair/overhaul program with 2-year warranty
- Huge savings compared to buying new
- All OEM parts used in repair
- Available for immediate shipment
- 8130 dual release tags

## Why are Safran Oxygen Masks the most trusted in the market?

### Safety:

- Superior hypoxia and smoke protection
- Donned in less than 5 seconds

### Simplicity:

- One-hand control
- Designed for comfort

### Reliability:

- 40+ years of experience and expertise
- 100,000+ masks and regulators in the field



C&L Aerospace

North America +1 207 217 6050  
Latin America / Caribbean +1 207 217 6085  
Europe / Africa +420 312 312 601  
Asia / Australia +61 (0)7 3354 8100



## Program Options

Since the beginning, C&L Aviation Group has helped customers with programs specifically designed to save time and money for operators. Each of these programs is highly customizable to fit the needs of the individual operator.

### Consignment

Consignment inventory is an arrangement in which C&L provides aircraft rotables to you in order to use as needed in your aircraft. You only pay for the inventory you use, once you have used it. Benefits of this program include:

- C&L will house aircraft parts at the operator's facility available for immediate exchange
- No up-front inventory investment
- No minimum size or value of inventory
- Rotables, expendables, landing gear and more
- Keep parts on hand
- Major time savings
- 24/7 access
- Drastically reduced AOG issues
- Completely customizable inventory mix

### Repair Management

We generate a high volume of repairs due to a large number of components in our own inventory and additional components under management for our operators. This has created buying power and opportunity for us to negotiate competitive pricing and shorter turnaround times with experienced and reliable repair vendors. We are pleased to pass both time- and cost-saving benefits on to our customers. Coordinated by our repairs manager, the benefits include:

- C&L is at your disposal to manage any and all part repairs
- Exclusive volume discounts passed directly on to you
- Reduction in individual repair vendors you need to work with and establish terms with
- Exclusive access larger rotables such as leading gear and APUs
- Access to additional savings by utilizing piece parts provided by C&L
- Dedicated C&L customer support center
- Reduced burden on your repairs/purchasing staff
- Freight discounts directly passed on to you
- Full transparency in parts, pricing, and repair costs

### Procurement and Exclusive Supply Agreements

Save time and money with an exclusive supply agreement. With this program, you can be guaranteed that we will stock the parts you need and have them available to you at fixed, contract pricing. Benefits of this program include:

- All benefits associated with Repair Management plus
- Fixed, contract pricing
- Save time and money but sourcing your necessary parts for one, trusted supplier
- Guaranteed to have parts in stock, when you need them
- Dedicated C&L sales representatives around the globe available to assist you in managing inventory, core exchanges, logistical and shipping services, and more
- Customizable purchasing threshold
- 24/7 AOG purchasing support
- Exclusive volume discounts directly passed on to you
- Instantaneous access to C&L's inventory

### Power-By-The-Hour

Avoid the headaches of unscheduled maintenance costs with our Power-by-the-Hour (PBH) program. A PBH contract allows you to manage your budgets more effectively. For a fixed price C&L can provide you with a PBH service for and ERJ 135/145, ATR 42/72, or Saab 340 fleet. Programs are highly customizable and can cover as many, or as few aircraft/parts as you require.

A customized program, designed to meet your specific requirements, can include:

- Component cover of your choice
- Guaranteed to have parts in stock, when you need them
- Recommended stock and stock positioning
- Access to rotables on a pool basis
- Component repair and overhaul management
- Fixed contract purchasing
- Access to our customer portal giving you visibility of all your order statuses
- Dedicated C&L sales representative available to assist you in managing inventory, core exchanges, logistical and shipping services, and more



C&L Aerospace

North America +1 207 217 6050  
Latin America / Caribbean +1 207 217 6085  
Europe / Africa +420 312 312 601  
Asia / Australia +61 (0)7 3354 8100



## Technical Support

C&L is more than just your parts supplier. We offer full support for the ERJ aircraft which includes having Field Service Representatives with decades of experience with these specific aircraft. C&L is committed to assisting you, our customer, with any technical support needs you might have including:

- Aircraft inspections
- Deliveries and acceptance
- Management of aircraft
- Part-out projects
- On-site representation during heavy checks
- Technical assistance with ATR, ERJ, and Beech 1900 aircraft
- Borescope inspections
- And more



North America +1 207 217 6050  
Latin America / Caribbean +1 207 217 6085  
Europe / Africa +420 312 312 601  
Asia / Australia +61 (0)7 3354 8100

Our vast ERJ inventory is well-stocked with ready-to-install components. Here are just some of the higher-moving rotatables we commonly support.

## AIR CONDITIONING

816630-X.....HEAT EXCHANGER

## COMMUNICATION

7013270-975.....RADIO MANAGEMENT UNIT

5483-1-8.....FLIGHT ATTENDANT HANDSET

## ELECTRICAL POWER

23080-013A.....APU STARTER GENERATOR

30086-011.....ELECTRICAL GENERATOR

51525-014A.....GENERATOR CONTROL UNIT

51545-002A.....GENERATOR CONTROL UNIT

## FIRE PROTECTION

30100050-5.....APU FIRE BOTTLE

33600057-5.....ENGINE FIRE BOTTLE

## FLIGHT CONTROLS

0861DT5.....ANGLE OF ATTACK SENSOR

362100-1013.....HORIZONTAL STABILIZER  
CONTROL UNIT

363300-10XX.....FLAP ACTUATOR

418800-1007.....AILERON ACTUATOR

## FUEL

2C7-4.....FUEL PUMP

028-936-00X.....FUEL PROBE

## HYDRAULIC POWER

971533.....HYDRAULIC PUMP

971808.....ENGINE DRIVEN HYDRAULIC PUMP

## ICE AND RAIN PROTECTION

0871HT3-1A.....ICE DETECTOR

90-0182-X.....MOTOR WIPER

## INDICATING/RECORDING SYSTEM

7013348-949.....DATA ACQUISITION UNIT

80-0694-2-6.....AURAL WARNING UNIT



## LANDING GEAR

140-197.....WHEEL SPEED TRANSDUCER

39-807.....BRAKE CONTROL VALVE

42-951-6.....CONTROL BOX

3-1551.....NOSE WHEEL

3-1641.....MAIN WHEEL

3-1590.....MAIN WHEEL

3-1631-1.....MAIN WHEEL

## LIGHTS

60-5096-1.....STROBE LIGHT POWER SUPPLY

## NAVIGATION

102AU1AF.....TEMPERATURE SENSOR

1117-11.....CONTROL DISPLAY UNIT

7001840-937.....RADIO ALTIMETER UNIT

7014300-901.....DISPLAY UNIT

C14130AA.....STANDBY ALTIMETER

0851HU.....PITOT TUBE

## OXYGEN

4441009-050.....OXYGEN CYLINDER ASSY

MXP138-X.....OXYGEN MASK STOWAGE UNIT

## PNEUMATIC

4952829.....APU BLEED VALVE

816606-1.....CROSS BLEED VALVE

3215886-2.....REGULATOR VALVE

## STARTING

3505910-6.....PNEUMATIC STARTER UNIT



C&L Aerospace

North America +1 207 217 6050

Latin America / Caribbean +1 207 217 6085

Europe / Africa +420 312 312 601

Asia / Australia +61 (0)7 3354 8100





## ERJ 135/145 Aircraft Sales and Leasing

We've been involved with the regional aircraft market for more than 25 years, which means our prospective buyers benefit from direct access to resources not usually available from the average aircraft broker. We have a large, existing network of regional aircraft operators which we leverage when marketing aircraft. We've also built a facility that includes everything onsite and at-hand — maintenance hangar, paint hangar, warehouse, interior shop — needed to get an aircraft into revenue service.

The results are faster regional aircraft transactions.

Our professional staff also is the authority on all aspects of aircraft re-marketing, and we act as an exclusive agent for our clients. With our in-depth market knowledge and targeted marketing programs, the process is both seamless and profitable for our customers.

For our clients, we identify prospective customers, negotiate contracts, and prepare marketing materials. We can also negotiate lease extensions, revisions, and off-lease return conditions.

We Offer:

- Aircraft sales
- Aircraft re-marketing
- Aircraft management
- Consulting
- Pre-buy inspections
- Aircraft parking and storage
- Aircraft teardown



C&L Aerospace

North America +1 207 217 6050  
Latin America / Caribbean +1 207 217 6085  
Europe / Africa +420 312 312 601  
Asia / Australia +61 (0)7 3354 8100



## C&L is Your One-Stop Solution for ERJ 135/145 Maintenance, Repairs, and Overhaul

We specialize in supporting ERJ 135/145 operators with a complete range of services that can be customized to reduce aircraft operational costs and downtime. And we do it all from our multi-hangar facility in Bangor, Maine, adjacent to Bangor International Airport. From maintenance and avionics to interior refurbishment and aircraft paint, we can service the ERJ 135/145 nose-to-tail without ferrying them to and from different facilities.

We offer the following services:

- Heavy maintenance
- Component repair
- Structural modifications
- Engineering
- Aircraft paint
- Interior refurbishment and modification
- Wifi installations
- ADS-B solution
- Pre-purchase inspections
- Aircraft marketing and sales
- Aircraft and engine leasing
- Aircraft teardown



C&L Aerospace

North America +1 207 217 6050  
Latin America / Caribbean +1 207 217 6085  
Europe / Africa +420 312 312 601  
Asia / Australia +61 (0)7 3354 8100



## FEATURES AND BENEFITS OF WORKING WITH US

- One-stop solution for the ERJ 135/145 aircraft
- Transparent quoting system with photos of individual parts and documentation
- Decades of technical knowledge and experience of the ERJ 135/145 aircraft
- OEM Endorsed
- Large inventory located around the world
- Local offices, staff, and warehouses in your geographic region and timezone
- Online customer portal

**[inquiries@cla.aero](mailto:inquiries@cla.aero)**



**C&L Aerospace**

North America +1 207 217 6050  
Latin America / Caribbean +1 207 217 6085  
Europe / Africa +420 312 312 601  
Asia / Australia +61 (0)7 3354 8100

---

YOUR ONE-STOP SOLUTION FOR ERJ 135/145/LEGACY SUPPORT AND SERVICE

---