



**WE DON'T MAKE HISTORY.
WE HELP KEEP IT ON COURSE.**

COMM/GOV DIVISION

CUSTOM CASE SOLUTIONS



SINCE 1976

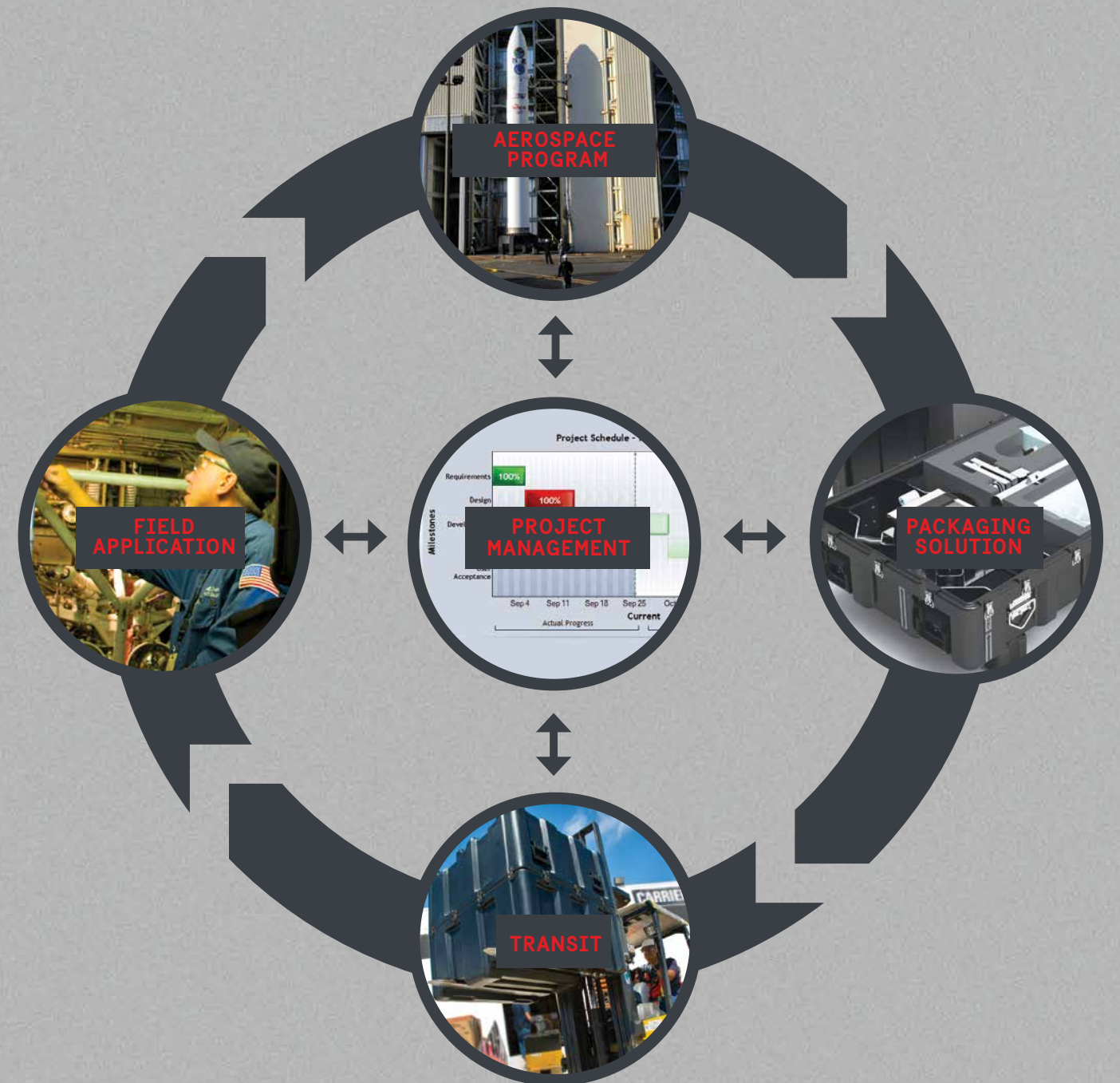


MISSION CRITICAL:
CUSTOM CASE SOLUTIONS FOR AEROSPACE AND DEFENSE



PELICAN'S INTEGRATED PROCESS FLOW ANTICIPATES YOUR UNIQUE PROTECTIVE PACKAGING REQUIREMENT

PROCESS INTEGRATION



ELIMINATE LOGISTICAL RISKS WITH ADVANCED CASE SOLUTIONS

4 STAGE CUSTOM ENGINEERING PROCESS:

- » Product Specifications
- » Customer Performance Needs
- » Product Interface and Access Points
- » Stability, Impact and Drop Requirements
- » Environmental and Field Conditions
- » Vent and Pressure Requirements
- » Mobility and Freight Compliance

- » CAD, 2D Layout and Solid Models
- » G-Force Mapping and Applied Cushioning Curve
- » Tooling Design
- » Equipment Support and Cradle Design
- » Part Isolation and Sway Space Planning
- » Usage and Operation Optimization
- » Environmental Analysis

- » Shock and Vibration Attenuation
- » Submersion and Rain Resistance
- » Shear Force Testing
- » Dust Particulate Ingress
- » G-Force at Specified Drop Heights
- » Extreme Temperature Tolerances
- » Mil-Spec Testing

- » Warranted Parts and Accessories
Engineered to Specifications
- » Integration of Customer Parts and
Accessories Per Functional Specifications
- » Quality Control Testing and Inspection
- » On Time Delivery
- » Technical Support

Custom Case Solutions are the result of a multi-disciplinary, 4-stage process. Working closely with your team, our engineers can customize a protective system according to your product specifications, usage and environmental analysis.

EVALUATION

DESIGN AND ENGINEERING

PROTOTYPING AND TESTING

MANUFACTURING

ANATOMY OF A CUSTOM CASE SOLUTION

CASE MANUFACTURING

Pelican is the world leader in protective case solutions, earned over a 50 year long journey. Along the way we perfected injection molding, roto-molding and robotic assembly processes to deliver high quality cases consistently. The outcome is our Custom Case Solutions, your guarantee that every aspect of protecting your components and equipment is built right in. We supplement our primary case manufacturing plants with 8 regional facilities known as Advanced Case Centers.

METAL AND FOAM PROTECTION



Metal decks or cradles are used to secure heavy equipment, and elastomeric shock mounts isolate the metal fixture from the case shell.

Shock absorbing foam is custom fit to your component, and a variety of densities and material compositions are available. Precise kitting of aircraft parts and tools can mitigate foreign object damage (FOD).

O-ring gaskets, forklift pockets, pressure relief valves and heavy duty spring loaded handles are other custom options that make a Pelican case much more than a box. And our best-in-class quality inspection and continuous improvement programs guarantee that the last case is the same high quality as the first.

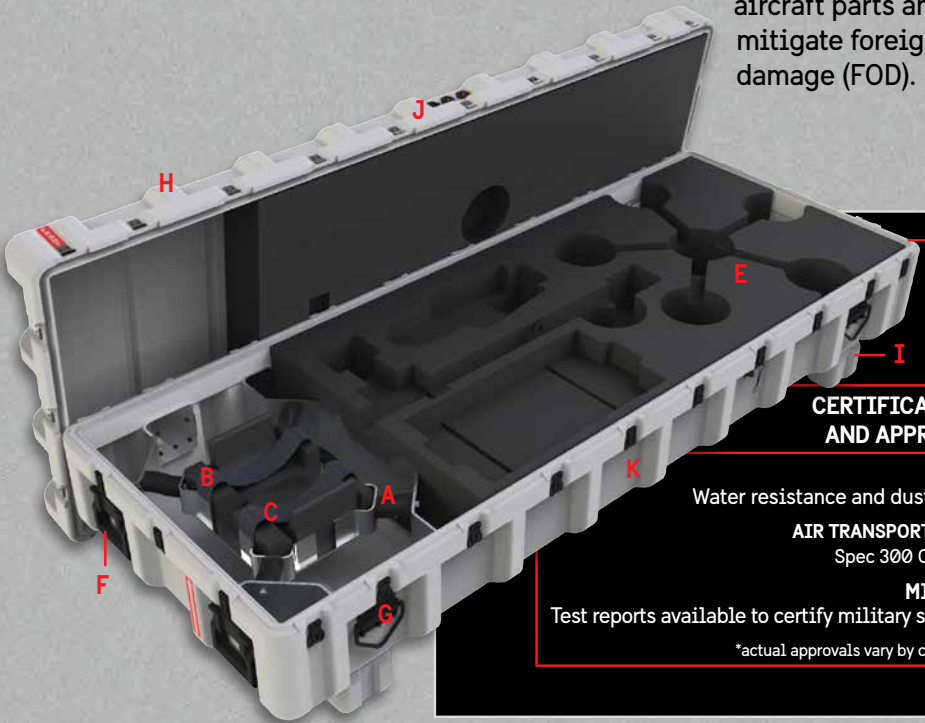
ELECTRONIC INTERFACE

Installing your electronic controls in a Pelican case enables their use in any environment. Waterproof panel frames allow mounting an electronics dashboard, and various bulkhead connectors allow electronic connection even with the lid closed.

Ultra fragile electronic equipment can be transported safely in Pelican-Hardigg mil-spec double end rackmount cases. With optional slide out frames and access from both ends. Rackmount cases enable sophisticated electronics to be deployed in any environment.



Advanced Case Solutions take the guess work out of the equation.



CERTIFICATIONS* AND APPROVALS:

IP67:
Water resistance and dust ingress
AIR TRANSPORT ASSOC.:
Spec 300 Category 1
MIL-SPEC:
Test reports available to certify military standards
*actual approvals vary by case design

A Elastomeric Shock Mounts

G Tie Down RINGS

B Velcro Lock Down Straps

H Stainless Steel Latches

C Metal Cradle

I Skid Runners

D Reinforced Corners

J Purge Valves

E Precision Routed Foam

K Strengthening Ribs

F Comfort Grip Handles

SOLUTIONS DELIVERED: CASE BY CASE

OVER 50 YEARS OF EXTREME APPLICATIONS HAVE FORGED OUR TECHNICAL EXPERTISE



UNMANNED
AIRCRAFT VEHICLE



AIRCRAFT
CANOPY DECK



AIR TO AIR
REFUELING POD



C130 PROPELLER
EXCHANGE KIT



METAL CRADLE



AIRCRAFT TEST
TOOL KIT



PORTABLE MECHANICS
TOOL KIT



ENGINE
COMPRESSOR MODULE

REPEAT USE PACKAGING FOR SUPPLY CHAIN MANAGEMENT



Traditional packaging methods may result in damaged equipment, and major expenses

IT'S ALL ABOUT THE MISSION

When an aircraft is in need of repair and crucial replacement parts arrive damaged, the result is lost revenue. If an aircraft is grounded, crucial repair parts must be in-stock and up to spec. The same applies to military operations — if the daily sortie count drops, the mission is at risk.

From keeping production on schedule to managing rotatable spares inventory, reusable packaging from Pelican is all about control.



THE PRODUCT

All Pelican Cases are dustproof and crushproof, and can be specified as breathable or watertight. sizes can accommodate equipment from small electronics to massive fuel pods. There are four distinct lines of cases

available: Pelican, Pelican-Storm, Pelican-Hardigg Single Lid, and ISP.



A Our Pelican and Pelican Storm cases include over 70 sizes and are guaranteed for life. Protection against liquids and dust is provided by an O-ring seal. And the automatic Pressure Equalization Valve prevents vacuum lock caused by changes in air pressure.

B The Pelican-Hardigg™ Single Lid case line contains over 325 sizes and can include optional features such as built in skid runners and bash plates for forklift transport. They are molded from lightweight, high-impact polyethylene, and are gasketed to prevent water ingress. Single Lid cases are customizable with a wide range of options.

C The new Pelican-Hardigg™ ISP Case line is the ideal solution for volume shipping. The unique inter stacking pattern (ISP) on the lid and the molded-in discs on the base eliminate load movement while maximizing cargo footprint.

A CASE FOR REPEAT USE PACKAGING

Studies have shown that a durable, permanent packaging solution in shipment and storage is a cost-effective alternative to disposable packaging. Single use, expendable packaging such as cardboard or wood crates, require time and labor for assembly and disposal, and increase in-transit risk. With a Pelican™ case, the cost is amortized over its life. On some models, it's recovered in as few as two trips.



Contact Pelican for your free ROI analysis.

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