



Omega Enterprises

Partnering with ...

NAVHOUSE
CORPORATION
INERTIAL NAVIGATION SYSTEMS



Navhouse is the leader in the repair and overhaul of Honeywell, Litton and Delco inertial navigation products including air data inertial reference systems (ADIRS), inertial navigation systems (INS) and inertial reference systems (IRS). Navhouse also sustains inertial system components including gyros, platforms, accelerometers, CDUs, MSUs, and electronics.

Level II INU, CDU & MSU Repair and Overhaul

- Repair and overhaul
- Test and evaluation to system level
- System certification
- Calibration
- ATP
- System runs/tuning for higher accuracy
- T-56 series iii maintenance, allison school
- Non destructive inspection
- Outer wing removal, rework and reinstallation
- C-130 main beam cw to mlg shelf bracket manufacture and replacement

Level III Inertial Platform Repair and Overhaul

- Repair and overhaul
- Calibration
- Test and evaluation

Level IV Gyro, Accelerometer & Circuit Card Repair and Overhaul

- Instrument repair and overhaul
- Reassembly
- Calibration
- Test and evaluation
- Refurbishment

Navhouse's repair and overhaul capabilities support a broad range of military aircraft, vessels and land vehicles:

AIRBORNE – Navhouse supports the following aircraft Inertial Navigation Systems:

AN/ASN-48	AN/ASN-130
AN/ASN-56	AN/ASN-141
AN/ASN-63	Litton LTN-51
AN/ASN-74	Litton LTN-58
AN/ASN-92	Litton LTN-72
AN/ASN-109	Litton LTN-72R
AN/ASN-117	Litton LTN-92
AN/ASN-119	

LAND – Navhouse supports the following ground based INUs:

Army PADS	AN/ASN-86
LN-12	AN/ASN-119
LN-15	

NAVY – vessels using these INUs include:

Frigates	Submarines
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CAROUSEL CIV – Platforms using these INUs include:

A-6 Intruder	E-2	F-18
EA-6B Prowler	P-3	FB-111
A-10 Warthog	F-5E/F	HH-60A
AH-56 Cheyenne	F-14	KC-10
AV-8B (Harrier)	F-15	RF-4B/C/E
C-130	F-16	S-3
Mirage	T-43	

MARINE – Navhouse supports the following Naval INUs:

SGC/WSN/PL-41
CAINS I (AN/ASN-92)
CAINS 1A (AN/ASN-130A)



A full-service INS facility, Navhouse provides our customers the highest level of quality assurance with ISO 9001:2008 & SAE AS9100C certification and inertial navigation repair and overhaul up to and including Level IV. Our large inventory of certified Honeywell and Litton IRS and Litton and Carousel IV INU along with our Honeywell, Litton, Carousel IV, and LITEF inertial component rotables and AOG service ensures your mission keeps on time.

CAPABILITIES

Navhouse's full-service inertial repair & overhaul facility has capabilities on a wide range of Honeywell, Litton and Delco inertial reference and inertial navigation systems and inertial components including ring laser gyros (RLG), electromechanical gyros, platforms, accelerometers, CDUs, MSUs, and electronics.

<u>Model</u>	<u>Part Number</u>	<u>Description</u>	<u>OEM</u>
HG2030	ACADAE-xx	ADIRU	Honeywell
HG1050	ACADAE-xx	IRS	Honeywell
LTN-90-100	461800-xx	IRS	Litton
LTN 92	463001-xx	INU	Litton
LTN 92	458900-xx	CDU	Litton
LTN 92	452100-xx	MSU	Litton
LTN 72	452080-xx	INU	Litton
LTN 72R	454640-xx	CDU	Litton
LTN 72	452090-xx	CDU	Litton
LTN 72R	454620-xx	INU	Litton
LTN 72	460600-xx	A/CDU	Litton
Carousel CIV	7883450-xx	NU	Delco
Carousel CIV	7886580-xx	NU	Delco
Carousel CIV	7890860-xx	NU	Delco
Carousel CIV	7883470-xx	MSU	Delco
Carousel CIV	7883460-xx	CDU	Delco
Carousel CIV	7882700-xx	Gyro	Delco
Carousel CIV	7879100-xx	Accelerometer	Delco
LTN 51	663450-xx	INU	Litton
LTN 51	663550-xx	CDU	Litton
LTN 51	663570-xx	MSU	Litton
A 200D	661103-xx	Accelerometer	Litton
A 200	661113-xx	Accelerometer	Litton
LTN 58	451985-xx	ISU	Litton
LTN 58	451190-xx	MSU	Litton
G 1200	453185-xx	Gyro	Litton
A 1000	453186-xx	Accelerometer	Litton
G300/G1	667500-xx	Gyro	Litton
LTN72R	454640-xx	CDU	Litton
G200	604900-xx	LN2/3/12 Gyro	Litton
G300/G2	659730-xx	Pads/LN15 Gyro	Litton
G300/G2	677100-xx	Mil Gyro	Litton
G300/G2	677200-xx	LN16/20	Litton
G300/G2	677500-xx	MIL 51 Programs	Litton
G1200	684400-xx	Gyro	Litton
G1200	691040-xx	LN38 Gyro	Litton
G300/G2	854278-xx	SGC Gyro	Litton
G300/G2	855984-xx	WSN/LSN505 Gyro	Litton
A200	854279-xx	Accelerometer	Litton
A 1000	679600-xx	Accelerometer	Litton
SGC	854278-xx	Gyro	Litton
SGC	852741-xx	Platform	Litton
WSN	PL-41	Platform	Litton
WSN	854279-xx	Accel	Litton
LN38	970303-xx	Gyro	Litton
LN 12	640900-xx	Gyro	Litton
LN15/PADS	659730-xx	Gyro	Litton
LN38	ASN 130	INS	Litton





SYSTEM & INSTRUMENTS: COMMERCIAL

Navhouse's repair and overhaul capabilities support a wide range of commercial and business aircraft:

COMMERCIAL AIRCRAFT

A300	Boeing 747
A310	Boeing 757
Boeing 707	Boeing 767
Boeing 727	DC-10
Boeing 737	L-1011
	MD-80

Business Aircraft

Challenger 600
Falcon 50
GI
GII
GIII

SYSTEM & INSTRUMENTS: DEFENSE

Through a commitment to benchmark accuracy and reliability, Navhouse has built a global network of air force, navy and army customers on five continents. Navhouse provides recertification and repair and overhaul of Inertial Navigation Units and subassemblies for military aircraft, naval ships and surface vehicles.





Omega Enterprises

**C-130 AIRCRAFT
REPAIR CAPABILITIES**



C-130 AIRCRAFT REPAIR CAPABILITIES

We have the capability of working on C-130 A, B, E and H models.

- Complete tail removal, inspection, pdm
- Complete tail attach point, teardown, clean reassembly
- Sheet metal fabrication
- Interior refurbishment
- Elevator deskin, manufacturer of ribs, corrosion treatment & reassembly
- Sloping longeron de-skin, treat for corrosion, paint and re assembly
- C-130 specific experience
- All levels of pdm/inspections & corrosion control
- Outer wing structural repairs
- Center wing structural repairs
- Aileron and elevator removal, re-skin, and reinstallation
- Complete empennage removal, rework, and reinstallation
- V54h60 prop maintenance, pacific propeller school
- T-56 series iii maintenance, allison school
- Non destructive inspection
- Outer wing removal, rework and reinstallation
- C-130 main beam cw to mlg shelf bracket manufacture and replacement
- Honeywell APUs – repairs and overhaul
- Support all Honeywell parts

Honeywell





Omega Enterprises

Partnering with ...

Sherwood
AVIATION 

Sherwood Aviations's Defense segment offers industry-leading service and support for Military Fleets worldwide. Supported aircraft include C-130/L-100, H-60, CH-47, H-65, UH-1, OH-58, AH-64, AH-1, KC-135/707, KC-10, C-17, P-3, F-16, F-18 and F-5. Sherwood Aviation proudly specializes in nose-to-tail component support for the C-130/L-100 and H-60 aircraft platforms, offering a comprehensive range of sustainment solutions.

- OEM and Operator Approved Service Center
- On-Site Component Repair and Overhaul
- Nose-To-Tail Component Support
- Unique and Exclusive Capabilities
- Retrofits, Mods and Upgrades
- Sales and Exchange Programs





Omega Enterprises

Partnering with ...



Knight Aerospace Products, Inc. (KAPI)

- Manufacturing entity for Knight Aerospace Medical System
- Government Cage Code: 0TF60
- ISO 9001:2008 Certified



Knight Aerospace Medical Systems LLC (KAMS)

- Focus on Roll-On/Roll-Off Medical Systems
- Government Cage Code: 7AYX2





Omega Enterprises

Partnering with ...



CT7-9 ENGINE

CT7s are a family of turboshaft and turboprop engines operating throughout the world with over 33 million flight hours.

With more than 1,500 engines delivered to date and 30 million flight hours logged, the CT7 turboprop continues to prove its mettle with operators worldwide.



PHYSICAL INFORMATION

Compressor Stages	6
Low-Pressure Turbine / High-Pressure Turbine	2/2
Nominal Diameter (Inches)	29
Length (Inches)	96

POWER SPECIFICATIONS

Take off rating at Sea Level	1,870-1,950
SFC at take-off rating	0.455





Omega Enterprises

Partnering with ...



- FOLDED FIBERGLASS MATS (FFM)
- FIELD OF DEBRIS (FOD) COVERS & SUPPORT EQUIPMENT
- STEEL BUILDINGS

PRODUCT HIGHLIGHTS

- Our laminate schedule is in strict compliance with Mil-DTL-32265
- Our FFM's utilize resins containing UV inhibitors that enhance the laminates protection from long term UV exposure from direct sunlight.
- Our hinges are made using polyurethane urethane elastomeric resins that are pigmented with carbon black, thus providing:
- Compliance to Mil-DTL-32265, para 3.3.1.4 for the migration of material (either polyester or elastomer) across the hinge/rigid panel. This migration is limited to 0.5" maximum. Migration of non pigmented resins, clear to amber in color, are difficult to measure or see.
- The black pigmentation acts as a UV inhibitor and offers increased UL resistance and protection. Non pigmented urethane resins, clear to amber in color, will powder over time without some type of additive that enhances UV resistance.



Omega Enterprises

Partnering with ...

COMMERCIAL AND AVIATION STEEL BUILDINGS

When building a commercial project, choose the most cost effective solution on the market today – a pre-engineered building from Omega. Our building lengths and widths are virtually limitless to accommodate any commercial need at an affordable price.



AUTHENTIC MILITARY APPAREL

We take pride in our products which are manufactured in accordance with military specifications. All our products are made, manufactured and sown in United States.



CWU 27/P NOMEX FLIGHT SUIT

Sewn to Military Specifications FNS/PD 96-17 (MIL-C-83141A) As Worn by All U.S. Flight Crews 95% Nomex / 5% Kevlar Fabric, Thread and Zipper Two-Way Zipper with Thong Six Pockets Knife Pocket on Left Inseam Map Pocket on Left Sleeve Adjustable Waist Belt with Velcro® Fastener Gusseted



Back for Freedom of Movement Made in USA Details: Sewn to Military Specifications FNS/PD 96-17 (MIL-C-83141A) As Worn by all U.S. Flight Crews 92% Meta Aramid, 5% Para Aramid, 3% Conductive Fibers Two-Way Zipper with Pull Six Primary Pockets Adjustable Waist Belt with Velcro Knife Pocket on Left Inseam Pencil Pocket on Left Sleeve Gusseted Back Flame Resistant.

Available in Olive, Khaki, and Sheriff's



TAC.U

The TAC.U began with Army Combat Uniform Construction in Premium Battle Rip 65% Polyester 35% Cotton Ripstop fabric and added custom features for the law enforcement community, including a zipper fly and Propper™ branded gripper waistband on the trouser, and a longer length for tuck-in on the coat. The TAC.U and trol also boast external elbow and knee pad opening:

Available in Black, LAPD Navy, Olive, Khaki, and Sheriff's



COMBAT VEHICLE COVERALL

Sewn to Military Specifications MIL-C-44077 (GL) As Worn by All U.S. Armored Personnel Eight Zipper Pockets Two Chest Two Thigh Four Leg Two-Way Front Zipper. Inside Leg Zippers Vehicle Extraction Webbing with Velcro All Trims Are Fire Retardant Fabric: 92% Meta-Aramid 5% Para-Aramid 3% Conductive Fiber.

Available in Black, Olive, Khaki, and Sheriff's



US ARMY NOMEX JACKET LINER

US Army Nomex Jacket Liner US ARMY sage green Nomex, (Aramid, fire retardant) jacket liner. Wear it under your Nomex flight suit or lightweight flight jacket. Insulated and 100% Aramid. Knit cuffs and plenty of buttons and button holes for easy use. *While supplies last!*

6 Sizes Only!

Small Short: NSN 8415-01-394-3827
 Medium Regular: NSN 8415-01-394-3833
 Medium Long: NSN 8415-01-394-3834
 Large Regular: NSN 8415-01-394-3837
 X Large Short: NSN 8415-01-394-3857
 Large Regular: NSN 8415-01-394-3842



USAF NOMEX JACKET

USAF Nomex Shirt Jacket USAF Tan Nomex fire retardant (Aramid) shirt/jacket. 2 chest pockets, pen & cigarette pocket, Velcro cuffs collar & waistband. Zipper and Velcro closure in front. Double layers of Nomex on shoulders & elbows. *While supplies last!*

3 Sizes Only!

Small Short: NSN 8415-01-498-5125
 Medium Long: NSN 8415-01-498-5135
 X Large Short: NSN 8415-01-498-5144

Available in Olive and Khaki