



IPR CONVERSIONS (Switzerland) Ltd
ATR STRUCTURAL TUBE
& LCD FREIGHTER





Welcome to the world of IPR Conversions (Switzerland) Ltd.

We provide ATR operators and lessors worldwide with ATR42 & ATR 72 passenger to freighter conversions.

Dedicated to customer service, we aim not only to meet but to exceed on our promises every single day.

To meet increased demand for ATR passenger to freighter conversion with the best conversion available on the market, IPR Conversions (Switzerland) Ltd. has acquired the ATR Structural Tube and Large Cargo Door conversions developed by Alenia, the manufacturer of ATR fuselage.

It's industry-leading payload versatility and volume capability together with a very low fuel consumption make the ATR the aircraft of choice for both - the express feeder industry and charter market community.

“We’ve seen the value of Large Cargo Door equipped ATRs since 2002, when we became the launch customer of this great product.

In 2012 we’ve started using the containerized ATR72-200 LCDs for DHL and they love the fast turnaround time together with the ability to carry five 88”x108” containers. ”

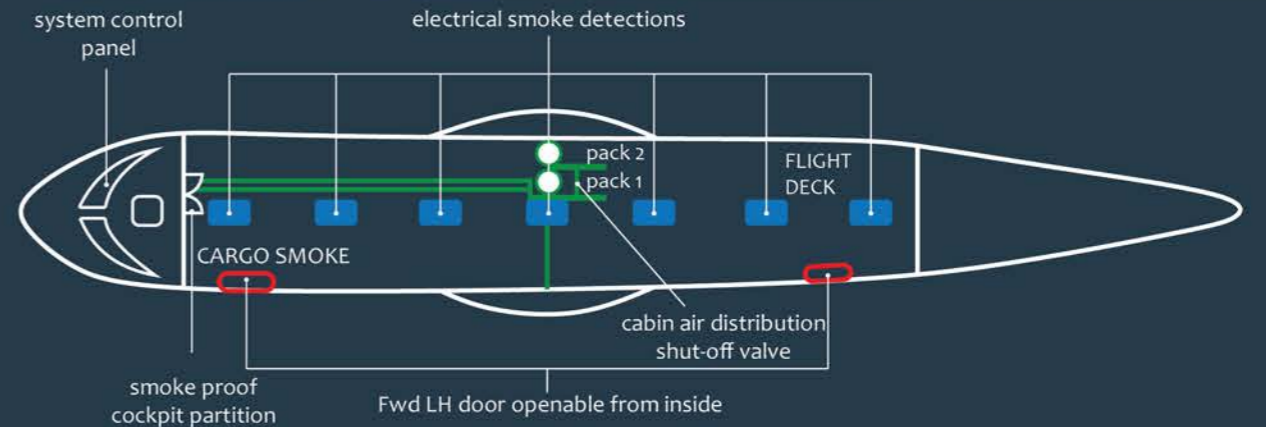
Guy Girard
Farnair Group CEO

Operator of 6 Large Cargo door &
3 Structural Tubes

#1
Additional
seat tracks

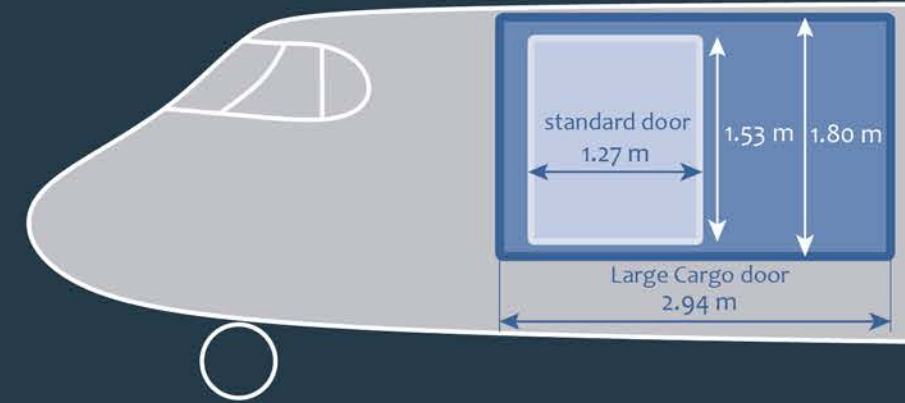
#2
Window plugs

#3
Class E
compartment





LCD loading capabilities



Large Cargo Door

The wide cross section combined with the LCD make the ATR the ideal commuter for cargo operators, for an integrated solution in the 5-9 tons market to complement the service of wider aircraft. The integrated auxiliary door to allow crew access on loaded aircraft.

These conversions feature a Large Cargo Door operated by an independent hydraulic system that will allow you to load large, oversized single piece often carried by Oil & Gas, Mining, Military and Automotive industries.

LCD features

- 2.94 x 1.8 m (116" x 71")
- 272% larger door opening (1.27 m x 1.53 m)
- 110° door opening
- 1.05 m still height
- hydraulically actuated door

ATR 72 LCD	HEIGHT (cm)							
	5 / 35	35 / 50	50 / 80	80 / 100	100 / 110	120 / 140	140 / 160	160 / 175
WIDTH (CM)	LENGTH (cm)							
20	1342	1342	1342	1342	1342	1342	799	799
40	997	997	997	997	997	997	651	651
60	794	794	794	794	794	794	550	550
80	661	661	661	661	661	661	447	447
100	566	566	566	566	566	566	421	421
120	496	496	496	496	496	496	378	378
140	441	441	441	441	441	441	343	343
160	398	398	398	398	398	398	314	
180	363	363	363	363	363	363		
200	334	334	334	334	334	334		

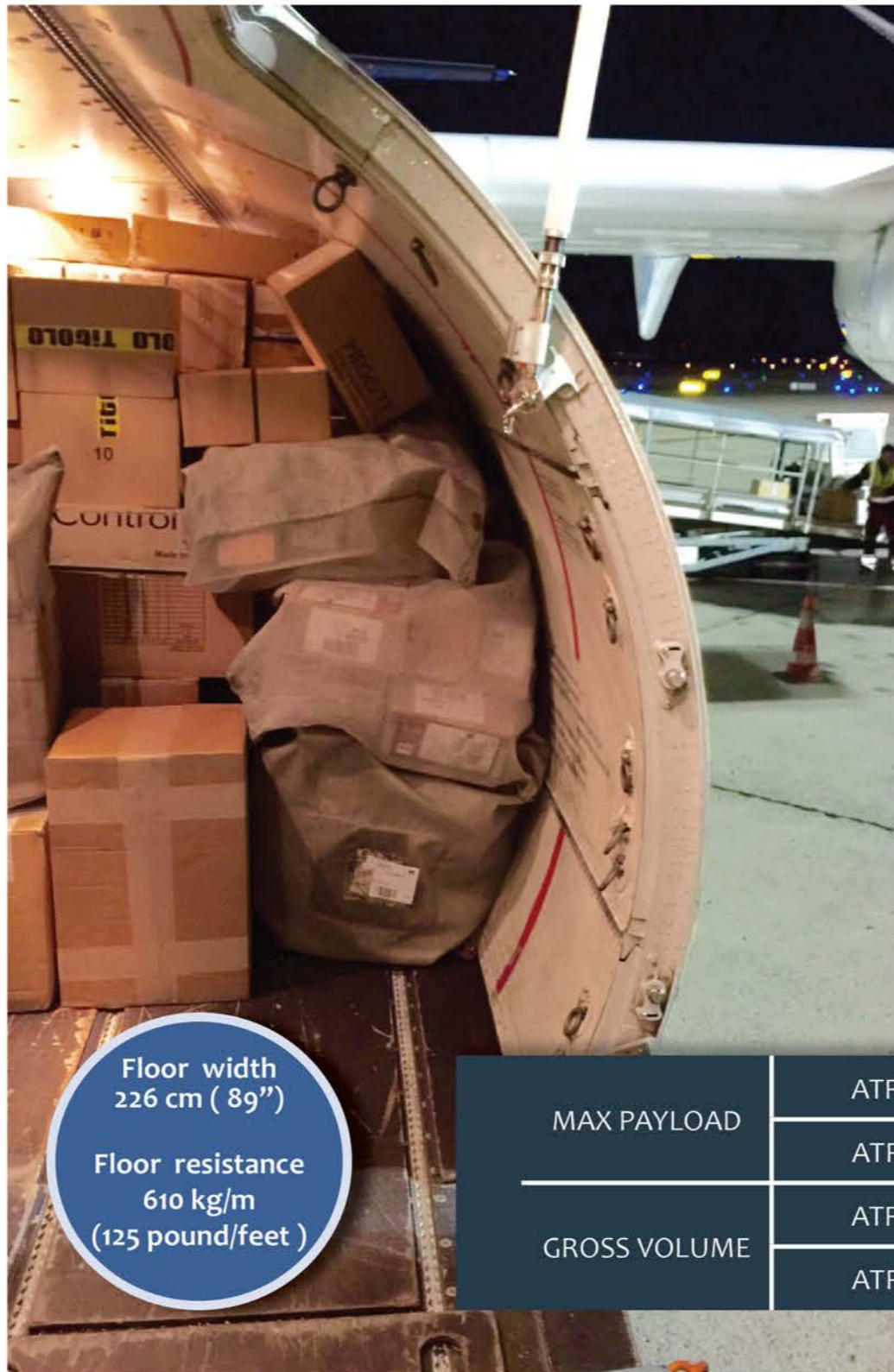




Structural tube - volume optimising solutions

If you don't have a need to carry oversized shipment, our structural tube will offer you both, the reinforced and largest floor width available on the market.

All of our conversions include window plugs as a replacement of the original windows, removing all scheduled maintenance tasks associated with it.



Floor width
226 cm (89")

Floor resistance
610 kg/m
(125 pound/feet)



9G net - cargo hold safety

According to the regulation, a 9 g forward net is required to prevent cargo from blocking cockpit access.

To simplify loading operation the nets are divided onto two parts mutually secured through quick connection devices. Installation time is less than 3 minutes (one person).

MAX PAYLOAD	ATR 42	from 5,613 to 6,473 kg from 12,374 to 14,270 lb
	ATR 72	from 8,423 to 8,723 kg from 18,569 to 19,230 lb
GROSS VOLUME	ATR 42	56 m ³ (1,978 cu. ft)
	ATR 72	75.5 m ³ (2,666 cu. ft)



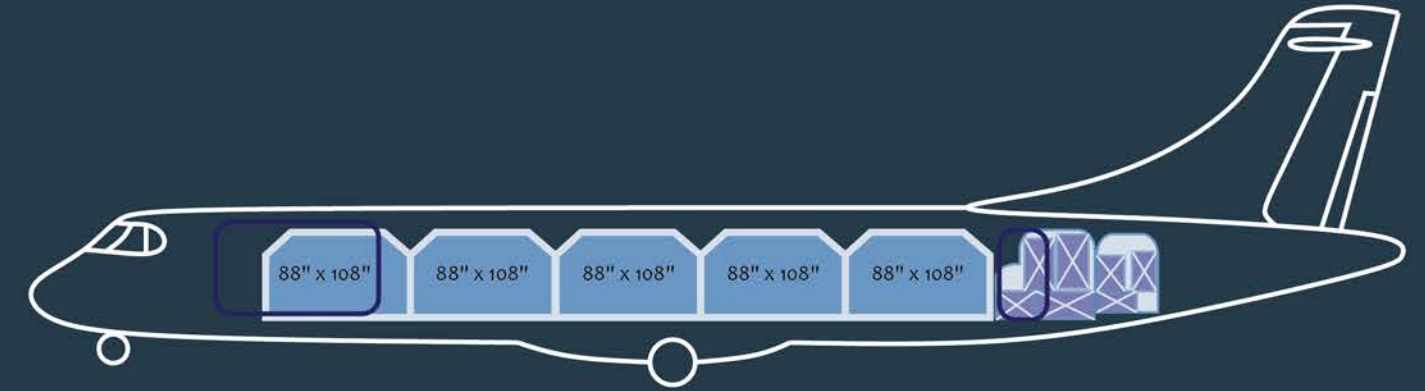
Customised
ABZ Containers
+
Bulk Freight



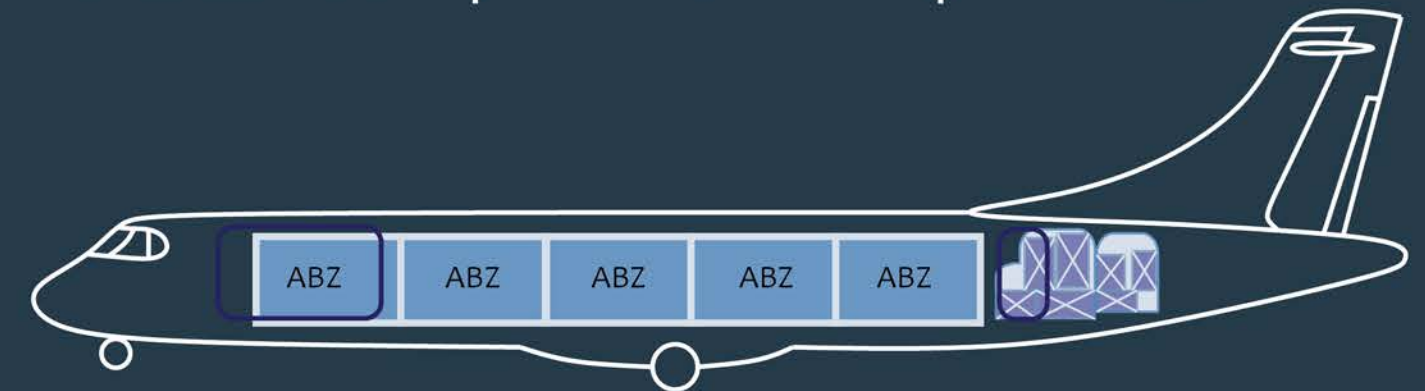
Standard
containerized
version
(5 x 88" x 108")
+
Bulk Freight

ATR72 Containerized solutions

Should you require a containerized ATR for quick turnarounds or need interline with larger Aircraft, we offer, together with Ancra a Cargo Loading System allowing you to load 5 88"x108" containers (or 7 LCD3's). The system features roller tracks on the floor, which enable the quick loading and off-loading of the containers.



ATR72	m ³	cu. ft
Total cargo volume	55.9 m ³	1,975 cu. ft
Containerized freight volume	42.6 m ³	1,505 cu. ft
Bulk available volume	13.3 m ³	470 cu. ft



ATR72	m ³	cu. ft
Total cargo volume	59.8 m ³	2,112 cu. ft
Containerized freight volume	46.5 m ³	1,642 cu. ft
Bulk available volume	13.3 m ³	470 cu. ft

Optional Independent 3rd Battery - Battery certified for ATR42/72

Structural Tube and/or LCD converted ATR's can be equipped with a third battery in the cargo compartment under the floor panels.

This 3rd battery provides you with 4 major features:

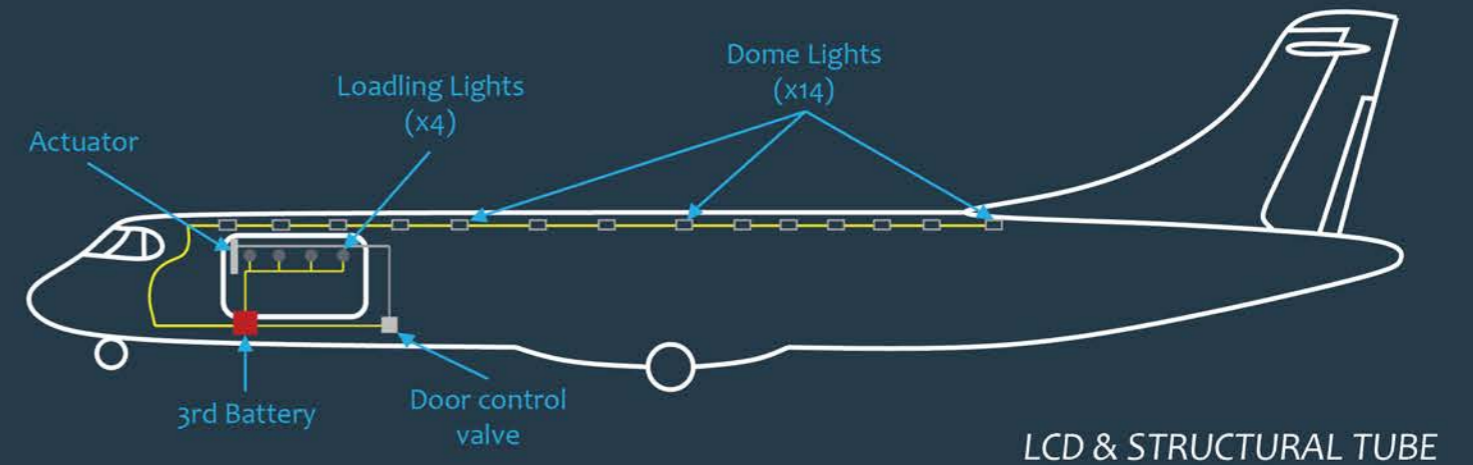
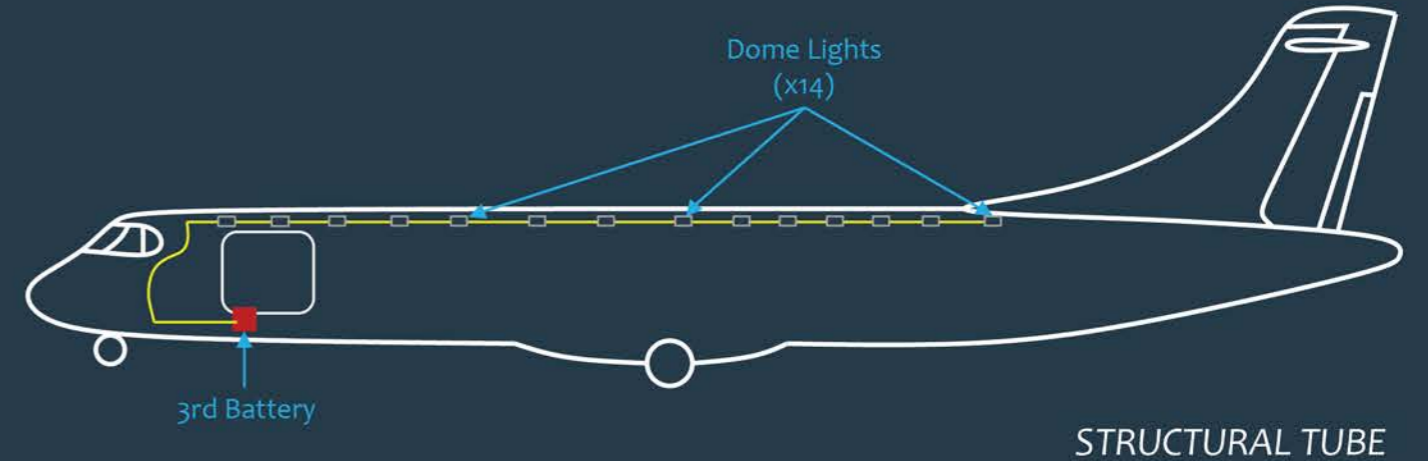
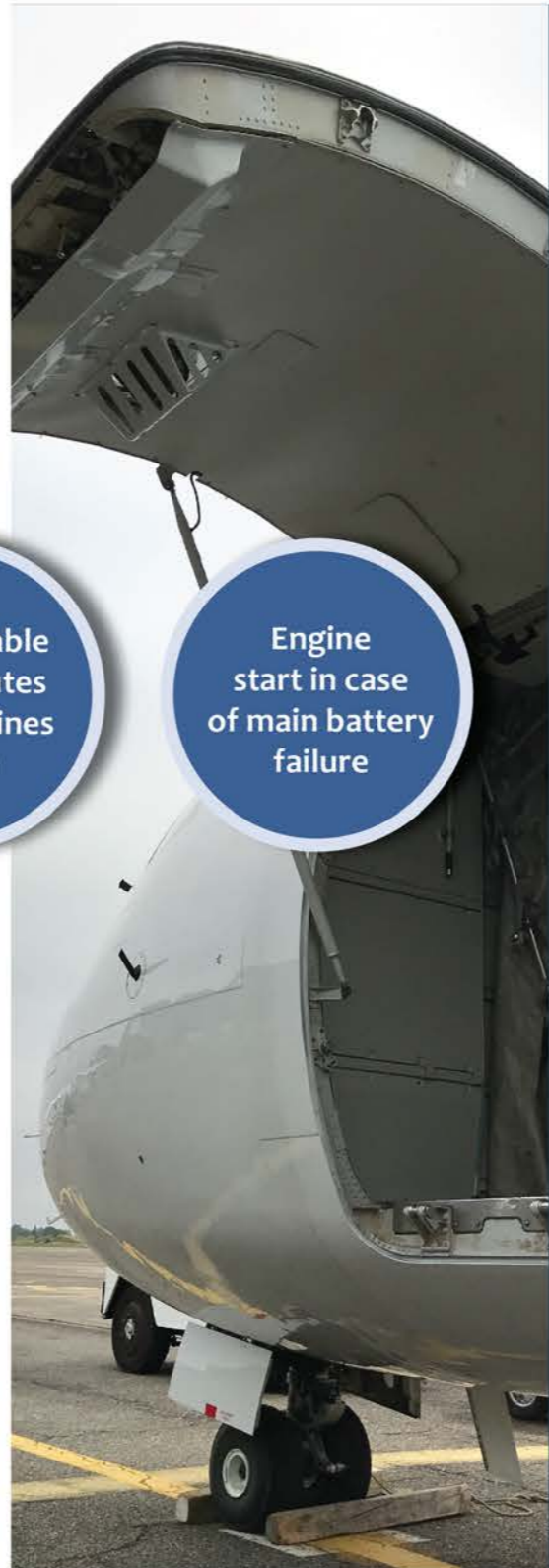
LCD opening & closing

Cargo Compartment lightning up to 3 hours

Rechargeable in 15 minutes when engines are on

Engine start in case of main battery failure

- 3rd battery system has no impact on the main battery which is protected by circuit breakers and fuses installation.
- Ammeter and "ON/OFF" switches are installed on the cockpit pedestal to control consumption and actuation of 3rd battery.
- Economics & Reliability: 3rd battery can be used to start the engines in case of main battery failure or unavailability of GPU.
- Automatic use of GPU when plugged-in
- Lead acid battery: No thermal runaway risk





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For all your ATR conversion needs please contact us 24/7 for a detailed analyses on how we can serve you best.