

## Cutting Edge in Airborne Sensing



### POWER PLANT

Engine 2x THIELERT Centurion 1.7  
Propeller 2x MT 3-blade Hydraulic Constant Speed Propeller

### PERFORMANCE / CONSUMPTION / DIMENSIONS / WEIGHTS

Max. Air Speed	309 knt/h IAS	194 kts IAS
Cruise Speed @ 50% in 1,000 ft	253 knt/h TAS <sup>1)</sup>	128 kts TAS <sup>1)</sup>
Fuel Consumption	33.2 l/h	8.8 US gal/hr
Range @ 50% in 1,000 ft Standard	1,262 km	784 nm
Long Range Tank	1,918 km <sup>2)</sup>	1,192 nm <sup>2)</sup>
Length	8.95 m	29 ft 1 in <sup>3)</sup>
Height	2.49 m	8 ft 2 in
Wing Span	13.42 m	44 ft
Wing Area	16.29 m <sup>2</sup>	175.3 sq ft
Seats	2+2	2+2
Empty Weight	1,200 kg	2,650 lbs <sup>4)</sup>
Max. Take-off Weight (MTOW)	1,765 kg	3,895 lbs
Payload	463 kg <sup>5)</sup>	1,023 lbs <sup>5)</sup>
Fuel Capacity Standard/Long Range Tank	197/1,201 lt	52/317.9 US gal
Max. Service Ceiling	5,485 m	18,000 ft

<sup>1)</sup> Specific values can differ depending on the specific sensor equipment.

<sup>2)</sup> Specifications may change without notice. Status: February 2010.

The DAA42 MPP is a specially designed platform for carrying multi-functional aerial sensor equipment.

It combines the advantage of extremely low operating costs with the specialized requirements of sensor operators.

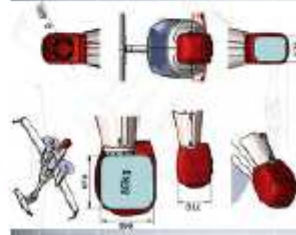
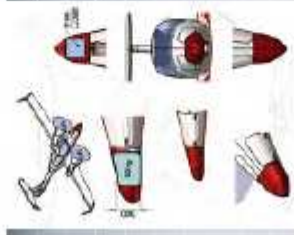
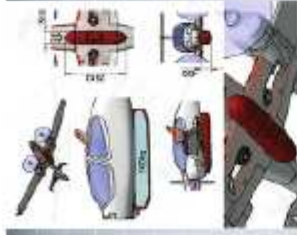
The investment in a multi-purpose platform pays for itself through the fuel savings alone.

The fully equipped DAA42 MPP can operate at a wide range of speeds, from a minimum of 75 kts to a maximum of 152 kts (IAS). In monitoring mode the aircraft can fly for up to 12.5 hours without refuelling. The maximum range at 50%, power setting is more than 1350 nm. No other aircraft can match the flexibility of the DAA42 MPP.



## External Pod Philosophy

The design of the DA42 MPP incorporates an external pod philosophy with a modular approach. The nose of the aircraft is detachable for mounting nose pods. Hand points are located under the fuselage for mounting belly pods.



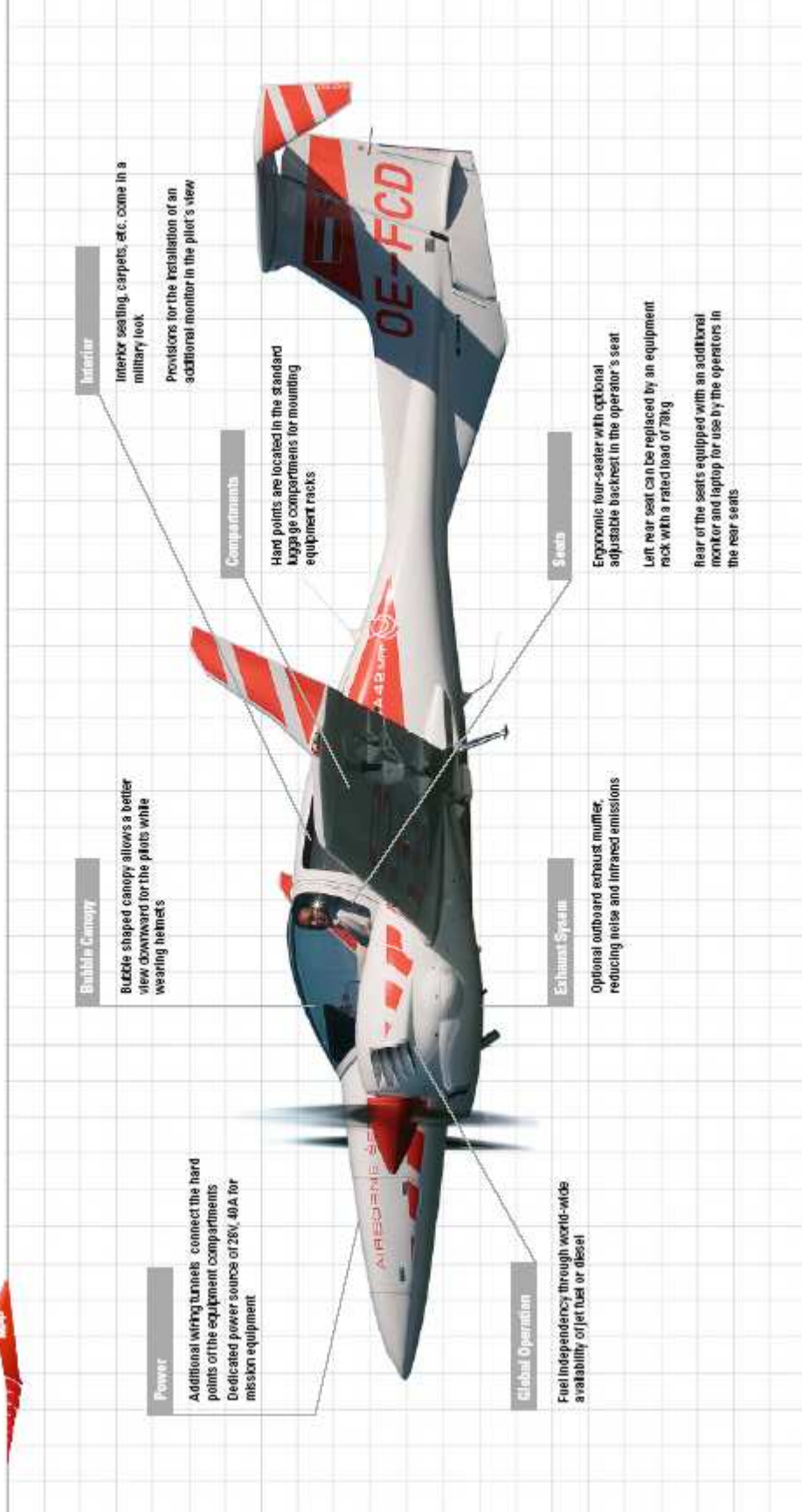
## Truly Flexible

The DA42 MPP is flexible, adaptable and easily tailored to accomplish any airborne sensing mission.

- HDTV broadcasting
- Geodetic data acquisition
- Environmental surveillance
- Engine monitoring
- Low enforcement
- Infrastructure monitoring
- CIMIC (Civil Military Cooperation)

## Multi-Purpose, Multi-Feature

Pilot and operator can perform a configuration change via quick-checks.



### Power

Additional wiring tunnels connect the hard points of the equipment compartments. Dedicated power source of 28V, 40A for mission equipment.

### Bubble Canopy

Bubble shaped canopy allows a better view downward for the pilots while wearing helmets.

### Exhaust System

Optional onboard exhaust muffler, reducing noise and infrared emissions.

### Interior

Interior seating, carpets, etc. come in a military look. Provisions for the installation of an additional monitor in the pilot's view.

### Compartments

Hard points are located in the standard luggage compartments for mounting equipment racks.

### Seats

Ergonomic four-seater with optional adjustable backrest in the operator's seat. Left rear seat can be replaced by an equipment rack with a rated load of 78kg. Rear of the seats equipped with an additional monitor and laptop for use by the operators in the rear seats.

### Global Operation

Fuel independency through world-wide availability of jet fuel or diesel.



## About the Company

Diamond Airborne Sensing is unmatched in the world of sensor applications. It has a unique status as the provider of all-in-one solutions delivered directly from the aircraft manufacturer.

Diamond Airborne Sensing GmbH  
Ferdinand Graf von Zeppelin Strasse 1  
2700 Wiener Neustadt, Austria

T +43 2622 26700 181  
F +43 2622 26700 189

[www.diamond-sensing.com](http://www.diamond-sensing.com)  
[info@diamond-sensing.com](mailto:info@diamond-sensing.com)

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-128/1  
-149/1  
-171/1  
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