



EADS PZL „WARSZAWA-OKĘCIE” S.A.

Kształcenie i badania naukowe w Lotnictwie i Kosmonautyce

Politechnika Warszawska MEiL 28 stycznia 2011



EADS Divisions

The Four Firm Walls EADS is built on



AIRBUS

AN EADS COMPANY



CASSIDIAN

AN EADS COMPANY



ASTRIUM

AN EADS COMPANY



EUROCOPTER

AN EADS COMPANY

Airbus organization

Airbus

Tom Enders



AIRBUS
AN EADS COMPANY

61, 880 employees

Airbus Military

Domingo Ureña-Raso

EADS PZL

Javier
Diaz-Gil

511 employees

Airbus Military activities

Key Activities	Heavy Military Transport	MRTT	Medium Military Transport & Mission Aircraft	Aerostructures
	Up to 37 t payload	Airbus Military Derivates	Up to 9 t payload	
Products	<ul style="list-style-type: none"> ▪ A400M State-of-the-art military transport aircraft with high payload and volumetric higher cruise speed and longer range 	<ul style="list-style-type: none"> ▪ A330-200 Wing pod and/or fuselage hose and drogue units and/or ARBS. No additional tanks are needed. Whole cargo bay available for freight ▪ A310-300 Wing pod and/or fuselage hose and drogue units and/or ARBS. ▪ ARBS New boom with the latest technology to provide faster and safer receptacle refuelling 	<ul style="list-style-type: none"> ▪ C-295 ▪ CN-235 Low maintenance costs, versatility, robust ▪ C-295 Persuader ▪ CN-235 Persuader ▪ C-212 Patrullero ▪ A319 CJ ▪ FITS ▪ PZL-130 Orlik Basic trainer 	<ul style="list-style-type: none"> – Horizontal stabilizers – Flight control surfaces – Engine nacelles – Fibre placement technology fan cowls – Metallic structures – carbon fibre and metallic structures automation processes – Leading edges
				

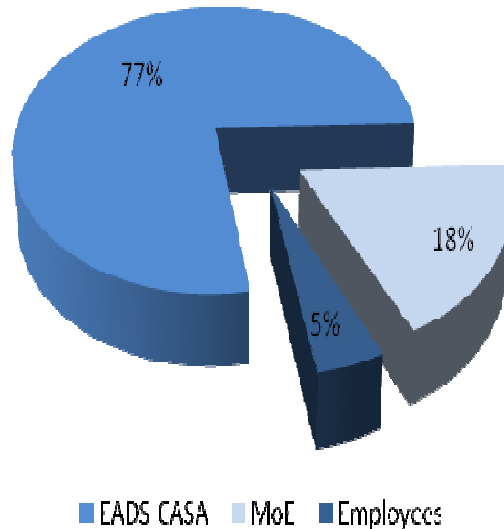
EADS PZL Overview - *Key Facts and Figures*

PZL “Warszawa-Okęcie” S.A. is the oldest aircraft manufacturer in Poland. The company was acquired in 2001 by EADS CASA as a part of offset commitments with the Polish MoE:

PZL stands for “Panstwowe Zaklady Lotnicze” that is State Aviation Works

C O M P A N Y

► Shareholder Distribution:



► Locations in Poland



L O C A T I O N

Lines of Business - Portfolio Overview

The acquisition of PZL by EADS CASA has broadened traditional products and services and today's EADS PZL growth plans are based on four Lines of Business:

Lines of Business

Design Office



The Design Office has long term experience in design of light airplanes. This experience is being reinforced since the acquisition by EADS CASA granted access to other Airbus Military Programs

A/C Manufacturer



Design & Production of PZL-130 Orlik TC II 750HP (first flight 2003), a fully aerobatic, turboprop, two-seat military trainer used by the Polish Air Force (PAF)

Aerostructures



Aerostructures assembly and industrial capabilities for component manufacturing such as Sheet Metal, Surface Treatment, Manual and semi-automatic Painting Cabin and Electrical Harnesses Shop

Services

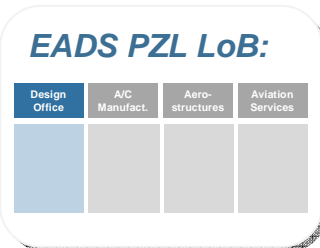


Operation of multiple aviation services with a fleet of more than 50 aircraft, to include M-18 Dromader; AN-2, PZL-106 Kruk and PZL-104 Wilga, crews of experienced pilots and mechanics

EADS PZL Lines of Business - *Design Office*



The **Design Office** is reinforcing its wide experience in light aircrafts with Design Services offered for other Airbus Military Programs.



Major Design Activities:

- *Military Airworthiness & Develop Responsibility over the Turboprop Military Trainer PZL -130 ORLIK TC-II & TC-I for fleet of ORLIKs operate in Polish Air Force Academy.*
- *Design Subcontracting for Airbus Military Programs:*
 - *Design of primary and secondary aluminum alloy structure*
 - *Design of cockpit and A/C interior equipments*
 - *Stress and fatigue analysis*
 - *Electrical systems design*
- *Airworthiness Responsibility over the fleet of EADS PZL "Warszawa –Okęcie" aircrafts and propellers.*
- *New programs*



EADS PZL Lines of Business - Aircraft Manufacturer



Production of **PZL-130 Orlik TC II 750HP**, a fully aerobatic, turboprop, two-seat military trainer used by the Polish Air Force (PAF).

EADS PZL LoB:

Design Office	A/C Manufact.	Aero-structures	Aviation Services

Main Contracts:

Upgrade to TCII for Polish Air Forces (PAF):

- Upgrade of 14 aircraft from TC I to TC II standard (engine, wing and avionics)
- New avionics on two aircraft already upgraded with new engine and new wing
- Change of the maintenance programme to on-condition including FSFT
- Batch 2 (additional 12 aircraft) will be negotiated

Contract Status:

- Contract signed at the end of January 2010.
- Funding is secured by the MoD for years 2010-2014.
- Aircraft to be delivered by February 2011.
- New maintenance system to be commissioned by end of 2014.

ORLIK develop

- New Synthetic avionic



EADS PZL Lines of Business - *Aerostructures*



Aerostructures assembly and industrial capabilities for component manufacturing applied to L&M Military Transport Aircrafts as well as to Airbus programs.

EADS PZL LoB:

Design Office	A/C Manufact.	Aero-structures	Aviation Services

Aerostructures delivered to External Customers:

Major Equipped Components Assemblies for AIRBUS MILITARY :

- C295: Outer Wings
- CN235 & C295: Cargo Doors & Ramp
- CN235 & C295: Doors (pilot, parachutes, passengers)
- CN235 & C295: Seats
- Front Cockpit fuselage for CN235 & C295

Assemblies for AIRBUS Programmes (AEROLIA):

- Airbus A320: Cargo Door Frame

Detail Parts:

- 70% Harnesses production of L&M Military Transport to FAL & IFA
- New design harnesses (overbrading included) of A330 HTP (FAI to be performed during November-2010)
- Kit of sheet Metal Parts of Belly Fairing & Wing Center Box of C295



EADS PZL Lines of Business - Services



Spare Parts, Maintenance and operation of **Services** with a fleet of more than 50 aircraft, (M-18 Dromader; AN-2, PZL-106 Kruk and PZL-104 Wilga), crews of experienced pilots and mechanics.

EADS PZL LoB:

Design Office	A/C Manufact.	Aero-structures	Aviation Services

Service Portfolio:

C295 Spare parts for the PAF:

- 3.8 M€ contract awarded in 2008, under re-negotiations of the scheme of deliveries due to budgetary constraints of the Polish MoD.

Maintenance services for C295 for the PAF:

- Certified mechanics based in Seville
- On going a Training & Service Center for C295 Polish Air Forces located in Mielec Site (Business Case under discussion)

Agricultural and fire fighting services, cargo and air taxi services:

- Firefighting operations on aircraft modified for such operations (M-18B Dromaders)
- Agricultural (LV, ULV spraying and dusting) and environmental recovery operations
- Aerial works operations involving special A/C equipment or special operational techniques
- Pilots' training (for ex. PPL(A), CPL(A), IR, ME, FI(A), ATPL, type ratings, fire-fighting ratings, AGRO ratings, etc.)
- Aircrafts and spare parts maintenance, overhauls etc.



EADS profiles of professions and career path

specializations:

ENGINEERING

[Design Engineering](#)
[Design and Systems Development](#)
[Tests Engineering](#)
[Certification](#)

SUPPLY MANAGEMENT

[Sourcing and procurement](#)
[Supplier Management](#)
[Logistics](#)

INFORMATION MANAGEMENT

[ICT Architecture](#)
[Development & Integration](#)
[Service & Technical Expertise](#)
[Product and Solution Support](#)

MANUFACTURING, ASSEMBLY, INTEGRATION & TESTS

[Production](#)
[Manufacturing Engineering](#)

CUSTOMER SERVICE AND SUPPORT

[Product Support and Services](#)
[Customer operations support](#)
[Managed Services](#)

PROGRAMME and PROJECT MANAGEMENT

[Programme and Project Management](#)
[Configuration Management](#)

QUALITY

[Quality Assurance](#)
[Quality Inspection and Conformity](#)

COMPANY GOVERNANCE

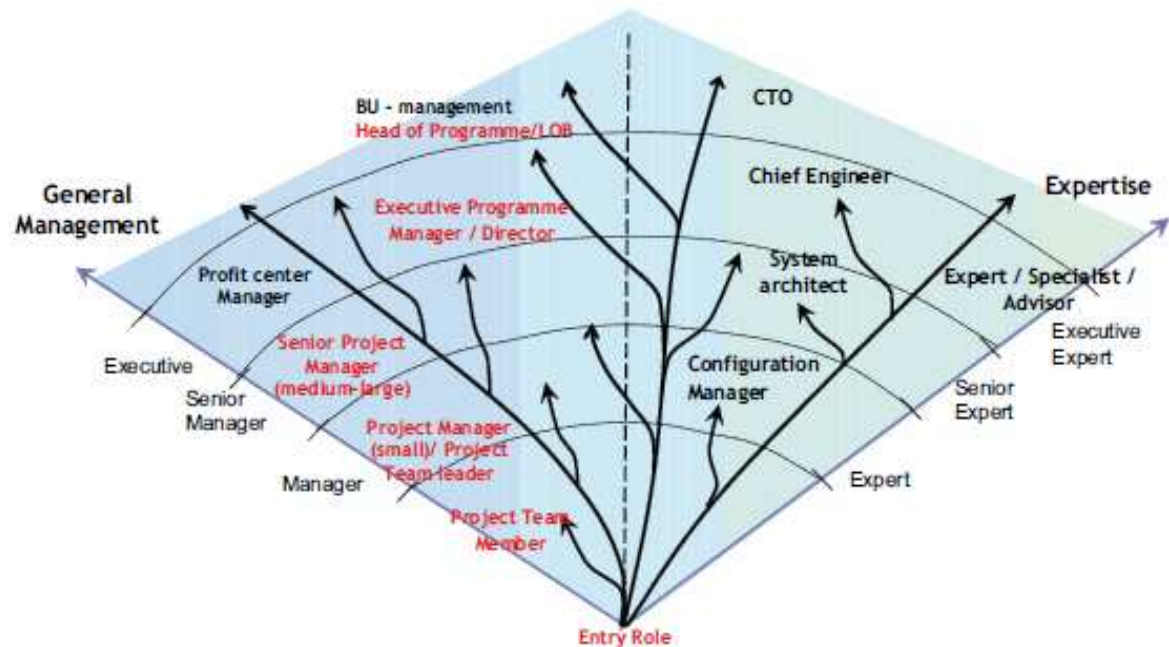
[Finance](#)
[Human Resources](#)

MARKETING, SALES & COMMERCIAL

[Marketing & Sales](#)

The EADS Dual Career Path

In EADS, we offer one career path with two scales: General Management and Expertise. The PM Career Model, situated within General Management, is dynamic, meaning alternative entries and developments are possible.



conclusion:

EADS PZL will employ in next 5 years over 200 aviation engineers at specializations marked above with **green**

EADS programs for students - Internships



Internships principles:

- Most of EADS internships concern students in the fields of aviation and space technology, electronics, information technology or management.
- Depending on field of studies and the number of semesters, EADS offers a variety of opportunities for 3-6 month internships.
- An internship provides a unique opportunity to have a closer look at the industrial world and gain first-hand knowledge of EADS as an organization.
- Internships provide valuable technical and personal enrichment during students career. They provide students with a unique opportunity to have a closer look at the industrial world and to start building up their own personal network by getting to know the people who work at EADS.

Typical EADS Internships for students

Internships scope:

- **SYSTEM ENGINEERING**
- **TEST ENGINEERING**
- **MANUFACTURING ENGINEERING**
- **PRODUCTION**
- **DESIGN & DEVELOPMENT**
- **PROGRAMME and PROJECT MANAGEMENT**
- **IT DEVELOPMENT & INTEGRATION**
- **QUALITY INSPECTION / CONFORMITY**
- **QUALITY ASSURANCE**
- **SOURCING & PROCUREMENT**
- **LOGISTICS**
- **FINANCE**
- **HUMAN RESOURCES**
- **MARKETING & SALES**
- **COMMUNICATION**

conclusion:

EADS PZL propose to agree the 3-6 months internships programs with Polish Universities of Technology at specializations marked above with **green**

EADS PZL requirements for new employ engineers

Professional skills:

- Good knowledge of basic sciences.
- Familiarization with computer aids: CAE, CAD, CAM, PLM, MTM, ERP etc. adequate to specialization.
- Internship during studies in EADS desired.

Additional skills:

- Good knowledge of English and communication skills
- Ability to work in team



