



Korkga abluba bikasillelika Asas que protegem o País



























FAB presente na vida dos brasileiros Indústria Aeroespacial.wmv
The information contained herein is CONFIDENTIAL and shall not be copied or used without Brazilian Air Force written consent.



COPAC

- Based in Brasilia, it was created in february the 24th of 1981.
 Initially, COPAC was subordinated to the Air Staff Command.
- Conduct and manage, in the brazilian side, the tasks related to the AMX Joint Programe according to the Cooperations Act between Brazil and Italy. Besides, COPAC was in charge of coordinating the AMX Programe among Brazilian Air Force Commands.
- Its subordination has being transfered to the Science and Technology Departament in October the 31st of 1985.



A COPAC

- Nowadays, COPAC coordinates acquisition, development and modernization of aircafts and systems of Brazilian Air Force and on behalf of MoD.
- COPAC follows COMAER policies to the offset, industrial cooperation and ToT.



34 YEARS OF EXPERIENCE



National Defence Strategy – NDS

- National Defence Strategy is fully linked with the National Strategy of Development.
 - •National Independence achieved by an autonomous technological capability and the strengthening of the industrial defence base.

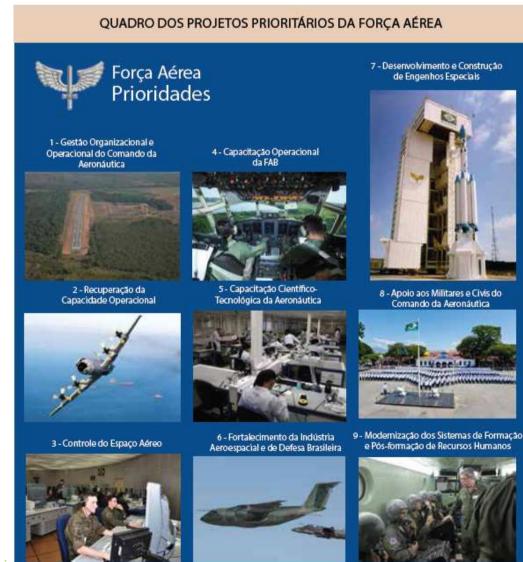
NDS is organized around three structuring axes:





White Book of National Defense

Chapter 5: PAED – Defense Equipment Acquisition Plan







The Balance between imported and indigenous solutions to meet the operational needs.

- → Priority to the development of independent technological capabilities welcome to partnerships with foreign companies and countries.
- → Full Life Cycle Support local industries.
 - → No defense state-owned companies in Brazil

H-XBR PROJECT









H-XBR Background

- □ 15th July 2005: Brazil/France Agreement of Cooperation in the Military Aeronautic Area;
- □ 13th February 2008: EADS proposed to install the EC 725 assembly line with focus on the Transfer of Tecnology;
- □ 30th June 2008: Brazil/France Intent Declaration related to the acquisition of Helicopters, products and services, with Transfer of Technology;
- □ 23rd December 2008: Signature of the Contract for Acquisition of 50 Helicopters EC 725 and the Agreement for Industrial Cooperation.



- 50 Helicopters
- 3 Flight Training Devices
- Logistic Support
- Offset & Industrial Cooperation







Expanding Brazilian capability in the Rotary Wing Industry

Technology Transfer

- Contractor: Consortium Airbus Helicopters Helibras
- Six diferent versions: multirole helicopter (missions: SAR, CSAR, ASW, ASuW, Utility, VIP, MEDEVAC)
- 02 Offset Agreements
- Current Stage: 15 EC-725 delivered
- 2 years delayed due to budget constraints
 - Schedule
 - Risks
 - Costs







Management Structure

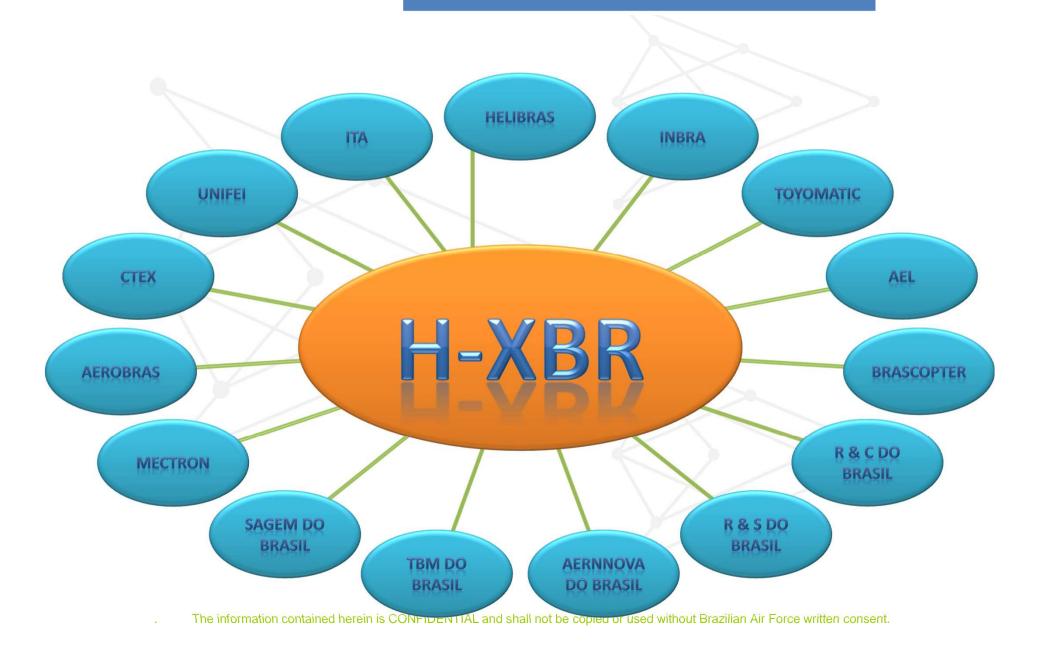


22 INDUSTRIAL COOPERATION PROJECTS





BENEFICIARIES





New Helibras





EC725 Production Line Transfering Evolution

	Responsibilities by assembly phase/aircraft					
A/C (CBV)	Mating (MATG)	Station 1 (1st working station) PFA 1	FAL activities	Mission Package	Flight Line activities	Industrial Acceptance
CBV 1 to 5 & VIP1 qty.: 6	EUROCOPTER	EUROCOPTER	EUROCOPTER	Retrofit at HB	EUROCOPTER	EUROCOPTER HELIBRAS
CBV 6 to 8 qty.: 3	EUROCOPTER	EUROCOPTER	EUROCOPTER	Retrofit at HB	€ HELIBRAS	€ HELIBRAS
CBV 9 to 16 & VIP2 qty.: 9	EUROCOPTER	EUROCOPTER	EUROCOPTER	€ HELIBRAS	€ HELIBRAS	€ HELIBRAS
CBV 17 to 23 qty.: 7	EUROCOPTER	EUROCOPTER	€ HELIBRAS	€ HELIBRAS	€ HELIBRAS	€ HELIBRAS
CBV 24 to 48 qty.: 25	EUROCOPTER	€ HELIBRAS	€ HELIBRAS	€ HELIBRAS	€ HELIBRAS	€ HELIBRAS







HELIBRAS CAPABILITY FOR EC-725 DEVELOPMENT, MODIFICATION AND SYSTEM INTEGRATION



The information contained herein is CONFIDENTIAL and shall not be copied or used without Brazilian Air Force written consent.



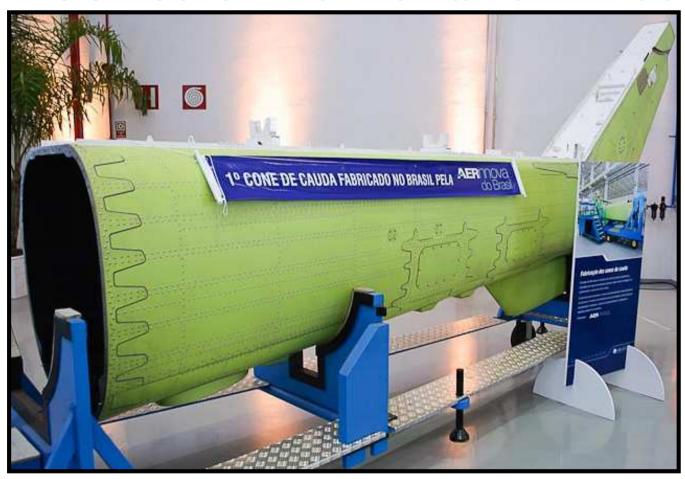
PARTNERSHIP WITH BRAZILIAN INDUSTRIES TO DEVELOP AND INTEGRATE ELETRONIC MISSION SYSTEM.





AERNNOVA

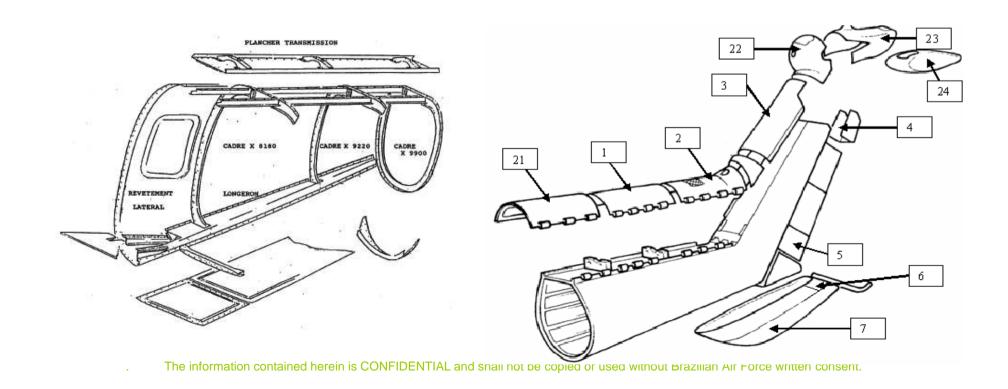
METALIC STRUCTURE FOR EC225/725 TAIL BOOM





INBRA

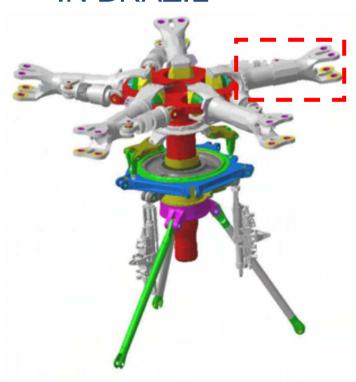
EC-725/225 - COMPOSITE STRUTURE FOR INTERMEDIATE SECTION AND TAIL BOOM





TOYMATIC

EC-725/225 - MAIN ROTOR SLEEVES PRODUCTION IN BRAZIL







TURBOMECA DO BRASIL MAKILA 2A1 – ASSEMBLY LINE AND REPAIR SERVICE CENTER





AEROELETRONICA

EC-725/225 - AVIONICS AND REPAIR CENTER





HELIBRAS – RIO DE JANEIRO

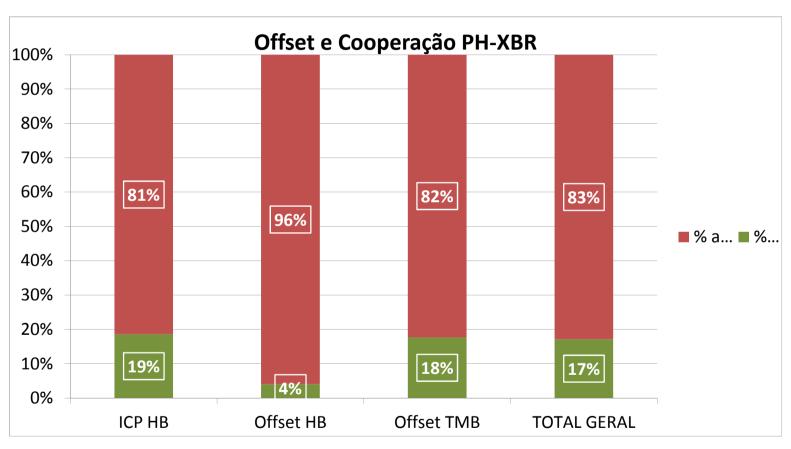
EC-725/225 - FULL FLIGHT SIMULATOR LEVEL B ++



- a. 1st Helicopter *Full Flight Simulator* in Latin America (October 2015).
- b. Brazilian Armed Forces training;
- c. Civil and Militairy training for EC 725/EC225 pilots in Latin America.



OFFSET CREDITS RECOGNIZED



	TOTAL	RECONHECIDO
ICP HB	€ 1.708.047.450,00	€ 317.331.304,00
Offset HB	€ 188.352.154,61	€ 7.594.253,00
Offset TMB	€ 29.503.874,30	€ 5.209.545,84
TOTAL GERAL	€ 1.925.903.478,91	€ 330.135.102,84



Certification Process for C-130J



