



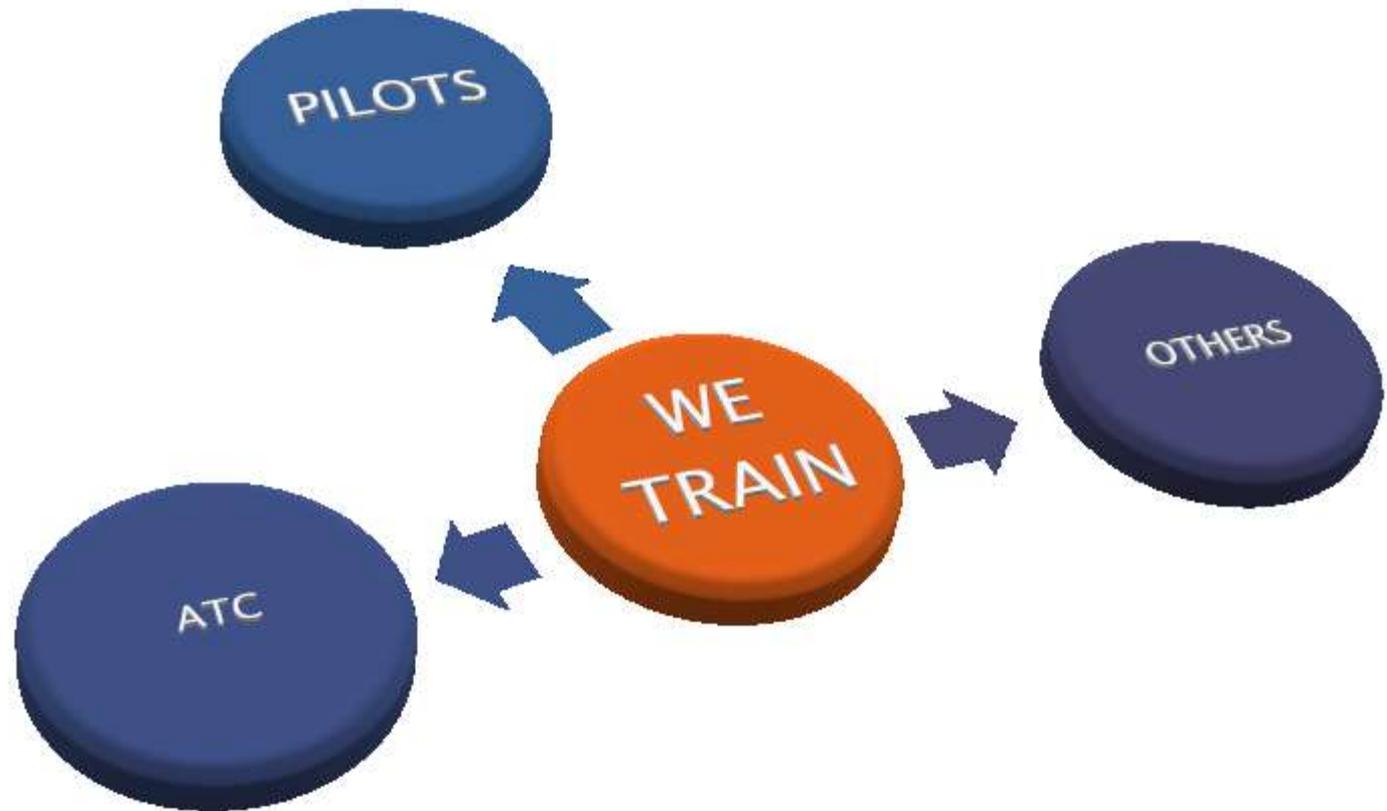
# THE POLISH AIR FORCE ACADEMY



## INFO-BRIEFING

30.08.2016

# THE POLISH AIR FORCE ACADEMY



# THE PRESENTATION AGENDA



- ▶ The Polish Air Force Academy history
- ▶ PAFA structure
- ▶ Academic Air Training Centre (AATC)
- ▶ Tactical Air Control Party Training Centre (TACP TC)
- ▶ Air Traffic Controller Training Centre (ATC TC)
- ▶ Pilots training system
- ▶ The 4th Air Training Wing – general info
- ▶ Future possibilities

# PAFA history



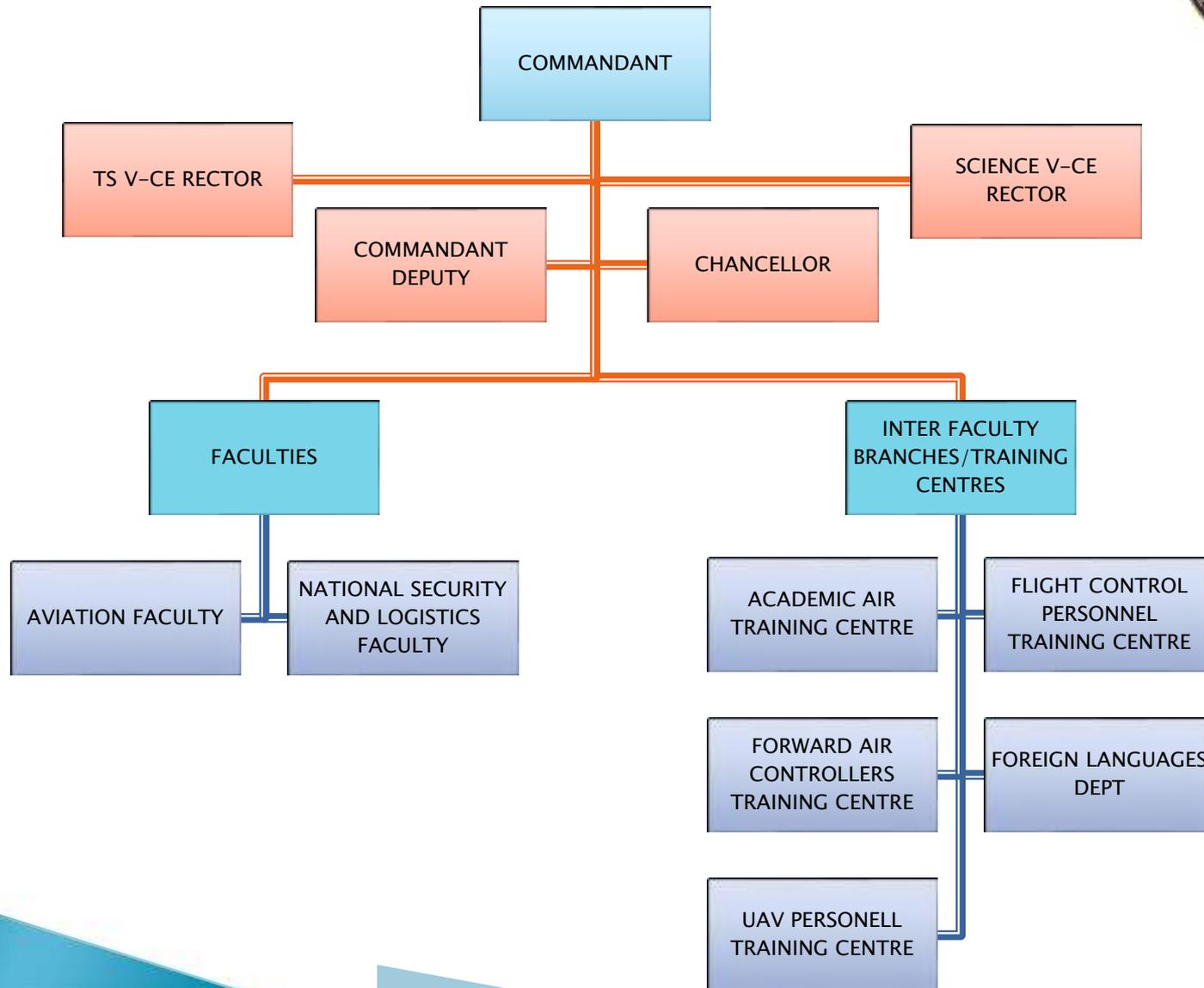
- 1921 Air Force development concept, mod
- 1925 Air Force Training Centre est. in Grudziądz
- 1927 AF Training Centre transfer to Dęblin
- 1927–1939 Training activities provided to the Polish MOD at Dęblin
- 1939–1945 II WW
- 1945 AF Training Centre restoring
- 1947–1968 New structure of the Training Centre. Transfer to Officers School structure and responsibilities
- 1968 Higher Education Institution status awarded
- 1994 New organisation and name change
- 2005 Institutional transfer under dual mod/civilian gov. control
- 2005–2013 PAFA functions as academic level higher education institution providing knowledge and expertise to officer cadets and civilians (2009)



# OUR PLACE IN THE ARMED FORCE STRUCTURE



# PAFA STRUCTURE



# AVIATION FACULTY

## MILITARY STUDY



## AVIATION AND AERONAUTICS

ENGINEERING STUDIES (I LEVEL STUDIES)

MASTER STUDIES (II LEVEL STUDIES)

- pilotage (JET, CARGO, HELI)
- air rescue officer
- staff officer
- flying navigator
- UAV operator

## NAVIGATION

ENGINEERING STUDIES (I LEVEL STUDIES)

MASTER STUDIES (II LEVEL STUDIES)

- airport infrastructure exploitation
- ATC

# AVIATION FACULTY

## CIVILIAN STUDY



## AVIATION AND AERONAUTICS

### ENGINEERING STUDIES (I LEVEL STUDIES)

- pilotage
- avionics
- UAV

### MASTER STUDIES (II LEVEL STUDIES)

- aircrafts exploitation

## NAVIGATION

### ENGINEERING STUDIES (I LEVEL STUDIES)

- airport infrastructure exploitation
- ATC

# NATIONAL SECURITY AND LOGISTICS FACULTY

## CIVILIAN STUDY



## NATIONAL SECURITY

### ENGINEERING STUDIES (I LEVEL STUDIES)

- airport security and protection
- security management in aviation
- citizens and infrastructure protection
- crisis management

### MASTER STUDIES (II LEVEL STUDIES)

- airport security and protection

## LOGISTICS

### ENGINEERING STUDIES (I LEVEL STUDIES)

- aviation logistics
- military logistics

# NUMBER OF STUDENTS





# THE POLISH AIR FORCE ACADEMY

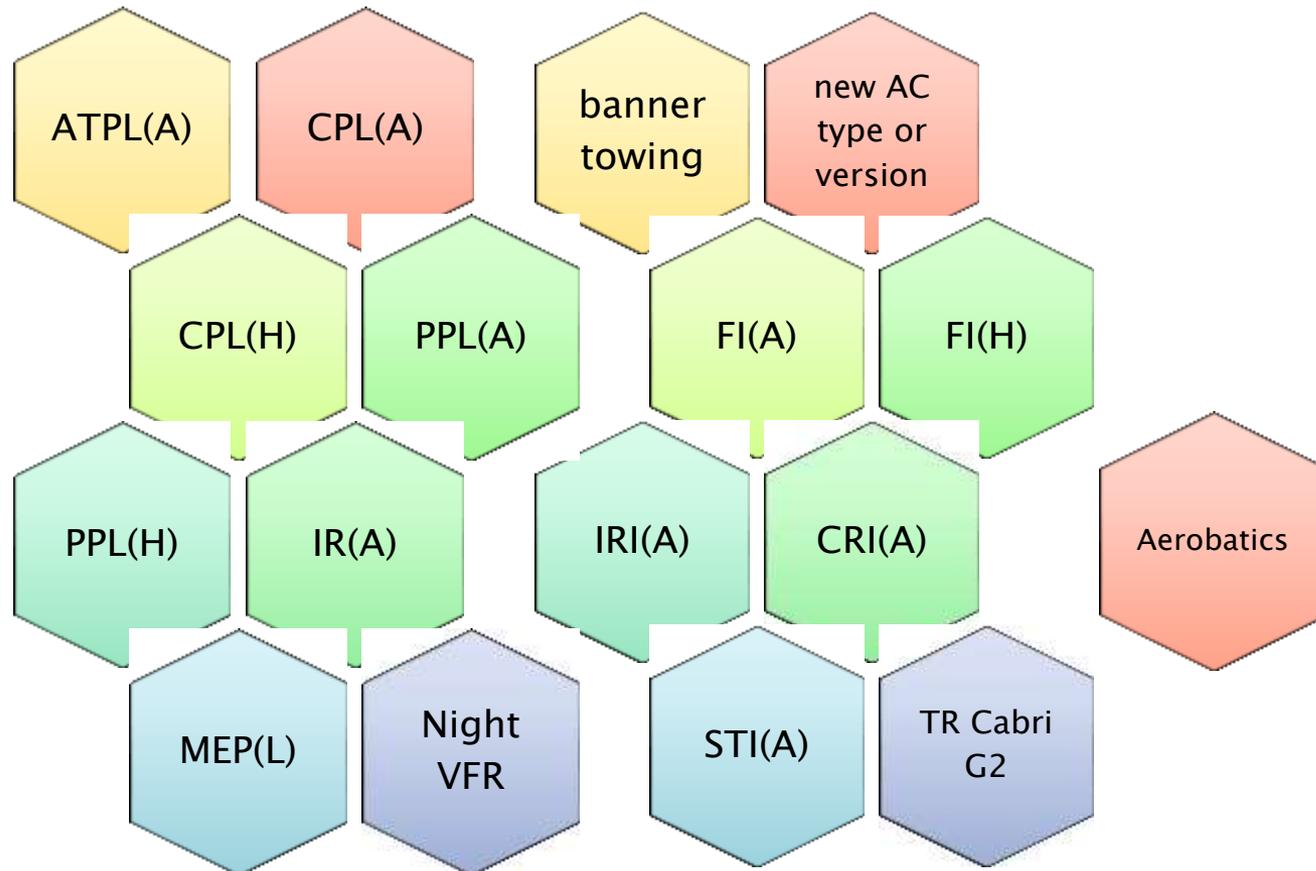


ACADEMIC AIR TRAINING CENTRE

# SCOPE OF TRAINING COURSES IN AATC



Theoretical and practical training for:





# TRAINING TOWARD ATPL(A)

- PPL  
DIAMOND  
DA20
- 50 h

Phase I



- CPL/IR  
ZLIN 143 LSi
- 105 h

Phase II



- CPL/IR, ME  
DIAMOND  
DA42
- 45 h

Phase III



- ATPL(A)  
frozen
- Theoretical  
training

Phase IV



- 200 h

Total



# TRAINING TOWARD CPL(H)



- PPL(H)  
GUIMBAL G2
- 50 h

Phase I



- CPL(H)  
GUIMBAL G2
- 135 h

Phase II

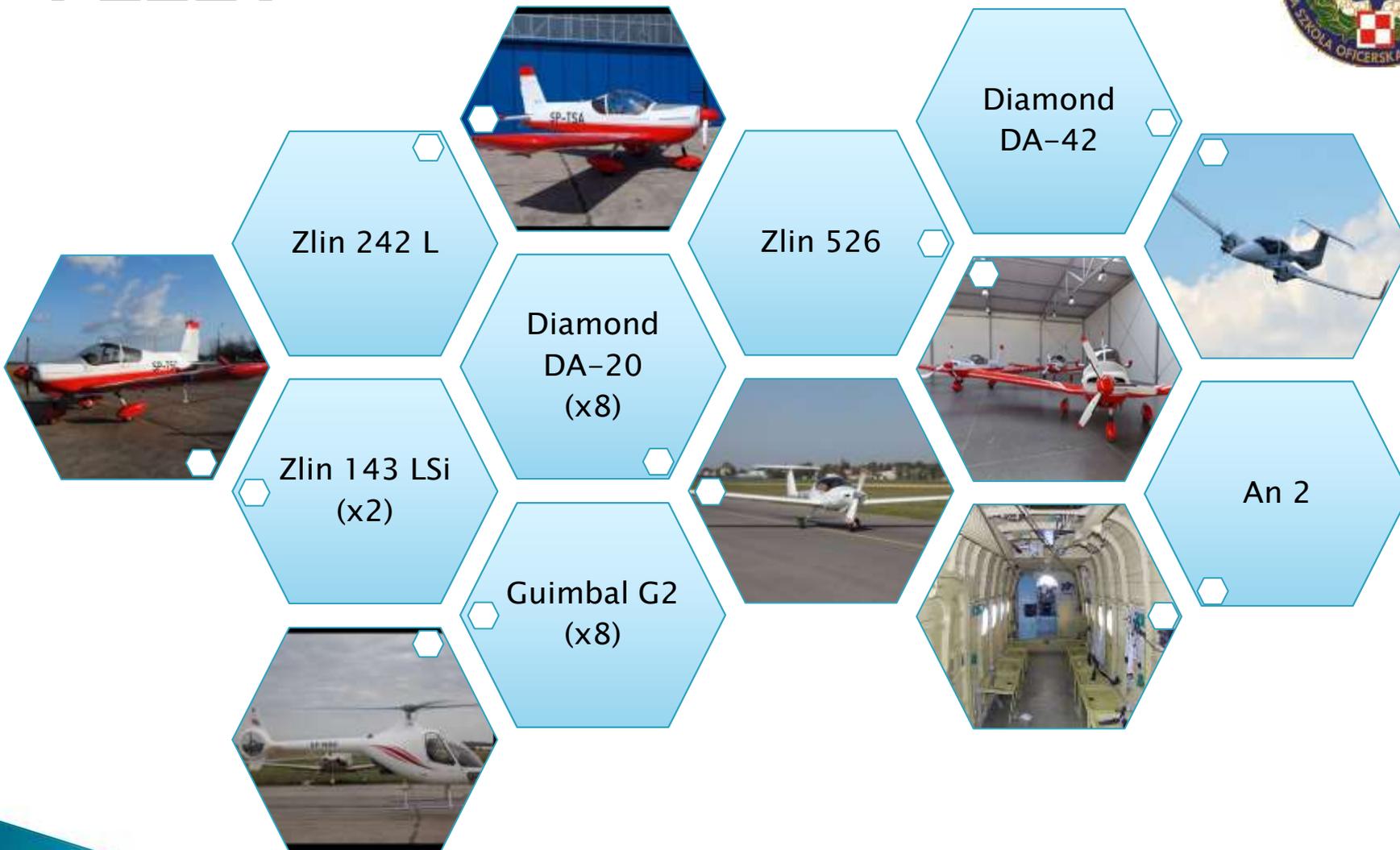


• 185 h

Total



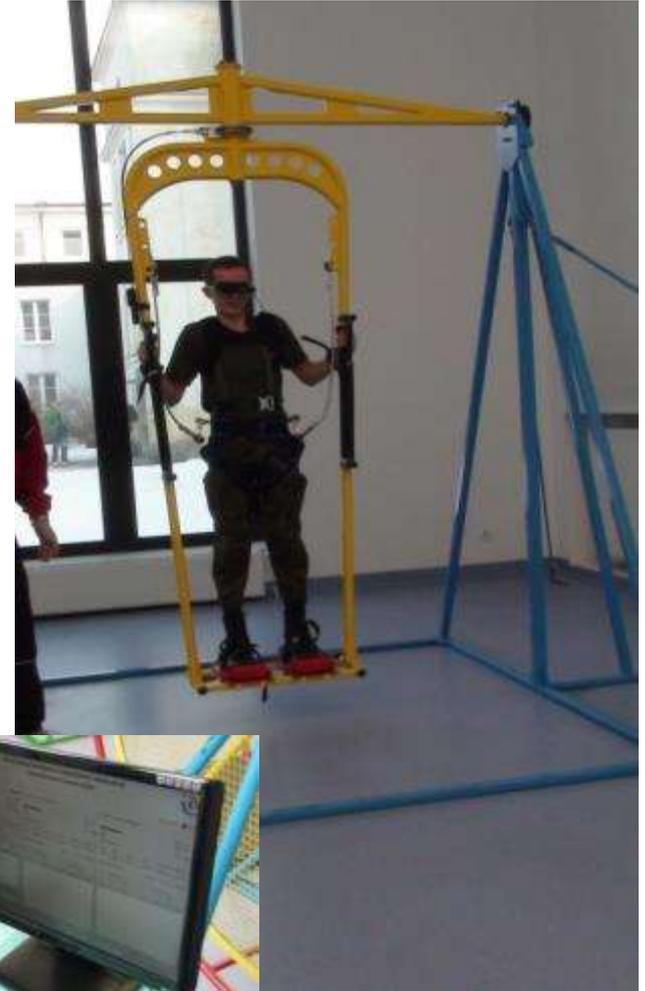
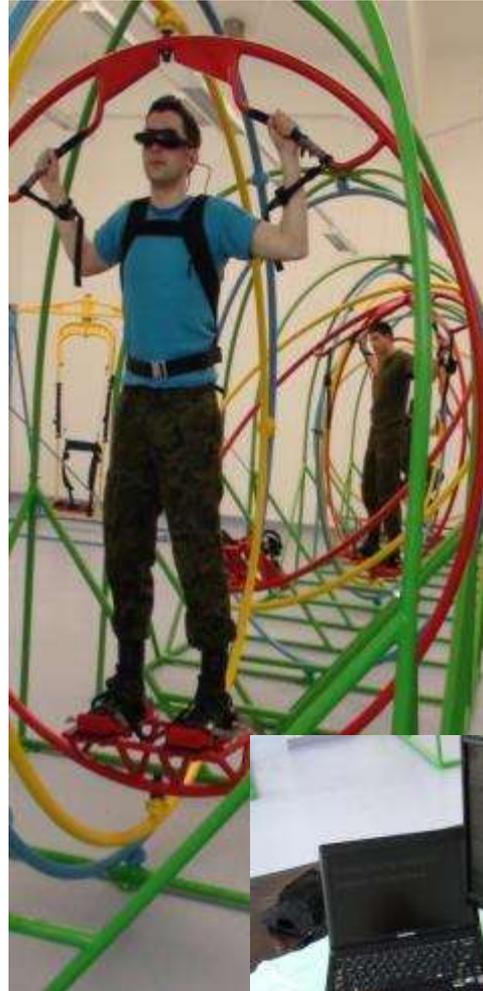
# FLEET



# OVER 25 TRAINING DEVICES



# TRAINING AGAINST TRAVEL SICKNESS AND FOR IMPROVEMENT OF COORDINATION

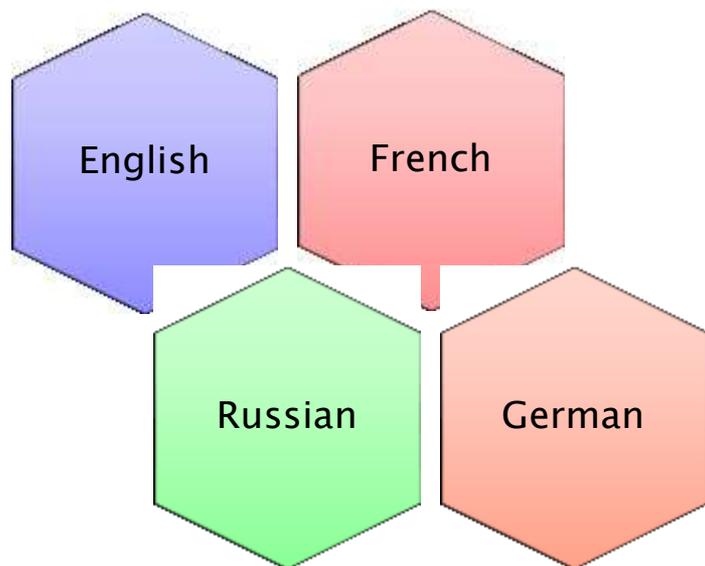




# Foreign Language Center

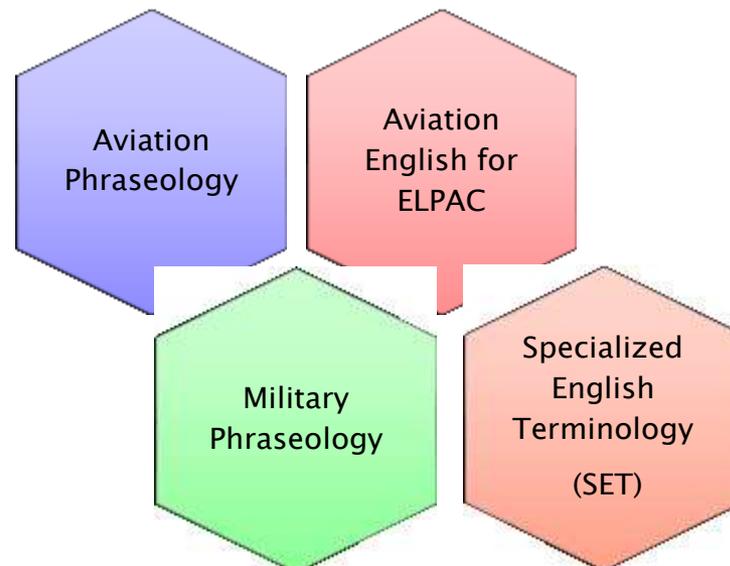
## Academic Training

Offer for civilian and military students



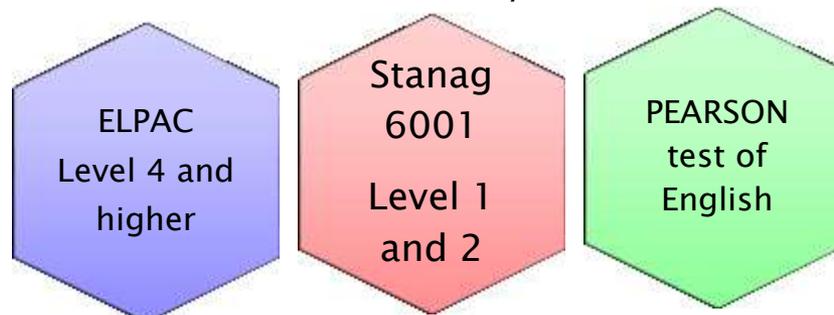
## Specialized Training

Offer for military students



## Certification

Offer for civilian and military students

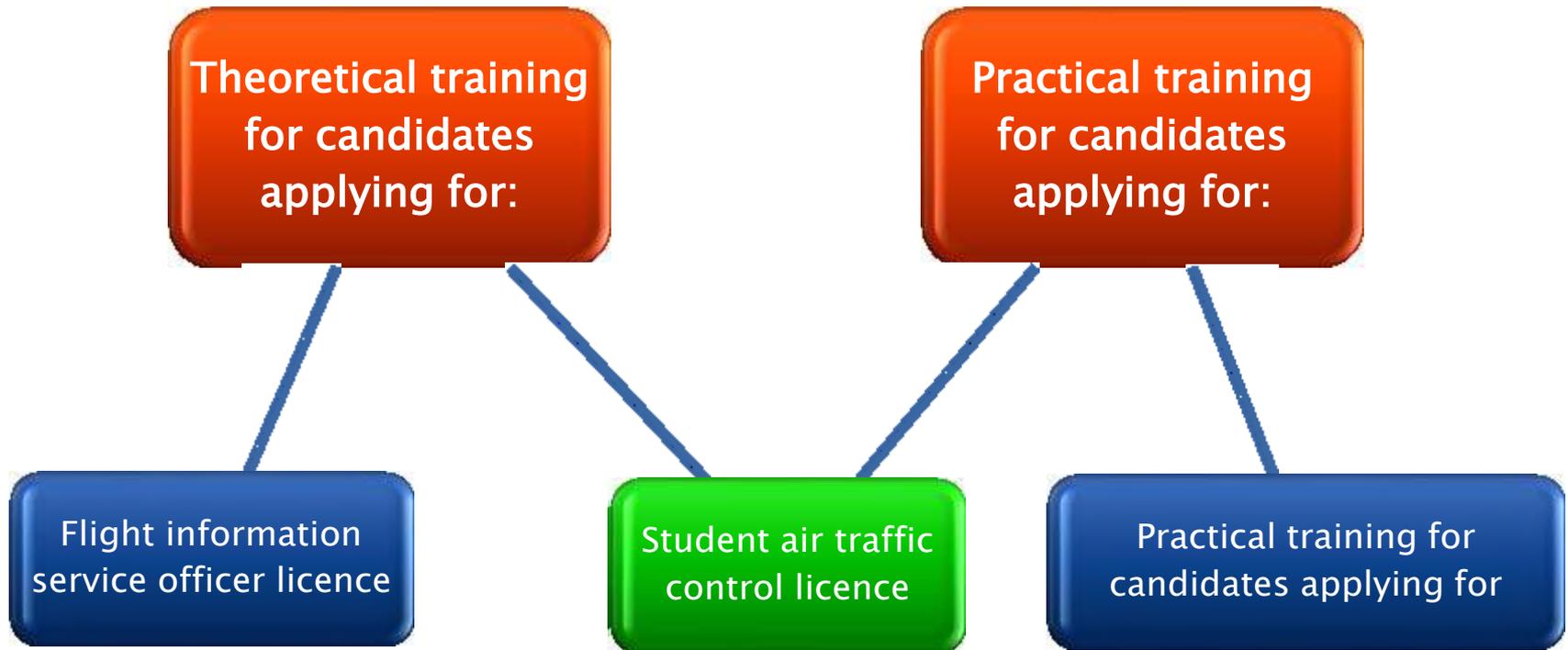


# The Aviation Training Centre for Air Traffic Services

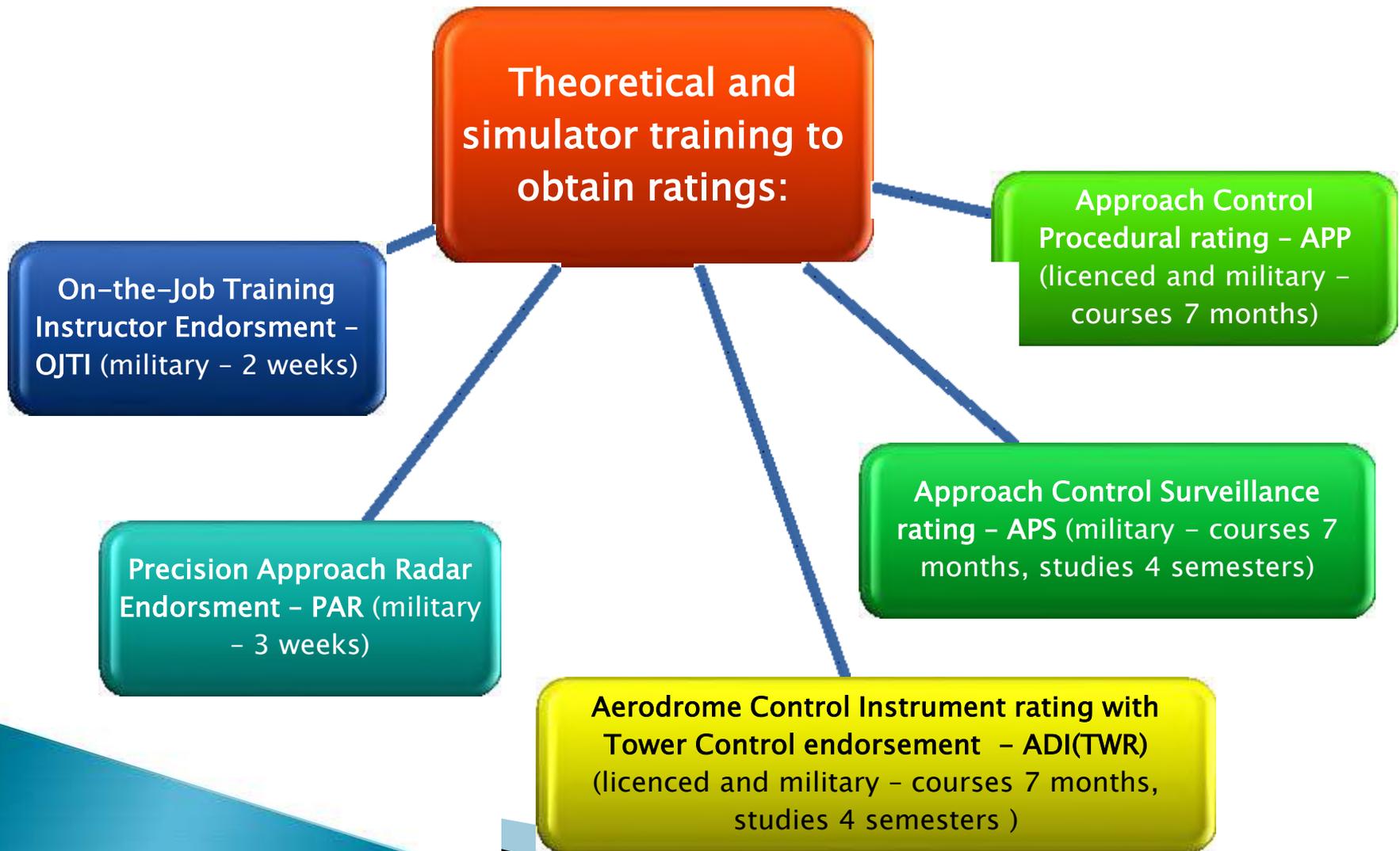


The Centre carries out its training and educational activities according to National Aviation Authority Certificate and ICAO standards

# Aviation training in CAPTO



# Aviation training in CAPTO



# Tactical Air Control Party Training Center



## TASK

To provide complex training according to the NATO/US standards\* for ground personnel (JTAC/TACP, JFO) and aircrews engaged in Joint Fires operations (CAS, CCA, CFF).

- \*STANAG 3797(ATP-3.3.2.2)/JCAS AP MoA

# Courses in TACP TC



JTAC IQC (NATO/US  
accredited 20 April  
2014+36 months)

CAS for pilots

Air Comms /CAS  
Phraseology

National Fire  
Observer  
(cooperation with  
CSAiU)

JTAC methodology

TACP personnel

# JTAC IQC



Exclusively in English (Level 3,3,3,2 required)

4 weeks lectures/equipment/sim

2 weeks TS-11 / Mi-2 day/night/dry/live  
– LPW Jagodne

1 week F-16 / Su-22 day/night/dry/live  
– CPL Nadarzyce

1 week RW / FW + CFF integration  
– Toruń

# UAV TRAINING CENTER



## PRESENT TASKS

- Theoretical courses
- Simulator training for pilots  
and operators
- Basic UAV flight courses
- Personnel examination  
and certification

## FUTURE TASKS

- Candidates selection
- Instructor courses
- Advanced personnel courses
- Flying targets courses





# UAV TRAINING CENTER

## VBS3 (VIRTUAL BATTLE SPACE 3rd GENERATION)

**/FULLY INTERACTIVE, THREE DIMENSIONAL TRAINING SYSTEM/**

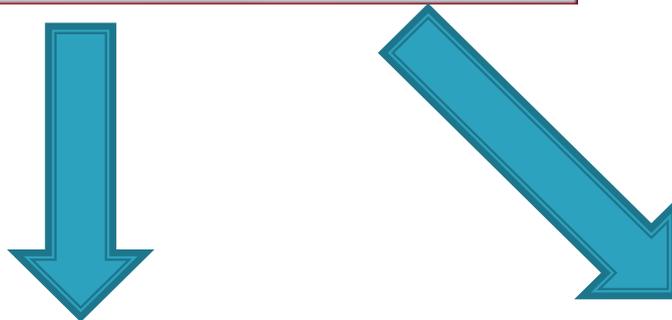
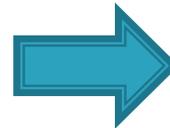
- MISSION SCENARIO
- TACTIC TEAM TRAINING  
(HIGH LEVEL OF REALISM)
- REAL TIME EDITOR OF MISSION
- AFTER ACTION REVIEW



# UAV TRAINING CENTER



PROCEDURAL SIMULATOR  
CLASS PC (GENERIC)



**MODERN AVIONICS SYSTEM GARMIN G-1000  
IMPLEMENTED**



# The 4th Air Training Wing

# GENERAL STRUCTURE OF THE 4th AIR TRAINING WING



4<sup>th</sup> Air Training Wing HQ  
Dęblin



41<sup>st</sup> Air Training Base  
Dęblin



42<sup>nd</sup> Air Training Base  
Radom



# 4th Air Training Wing Units location



Organize flight training for The PAir Force Academy cadet-pilots by 41st and 42nd Air Training Base and supervising this process

# 4th Air Training Wing



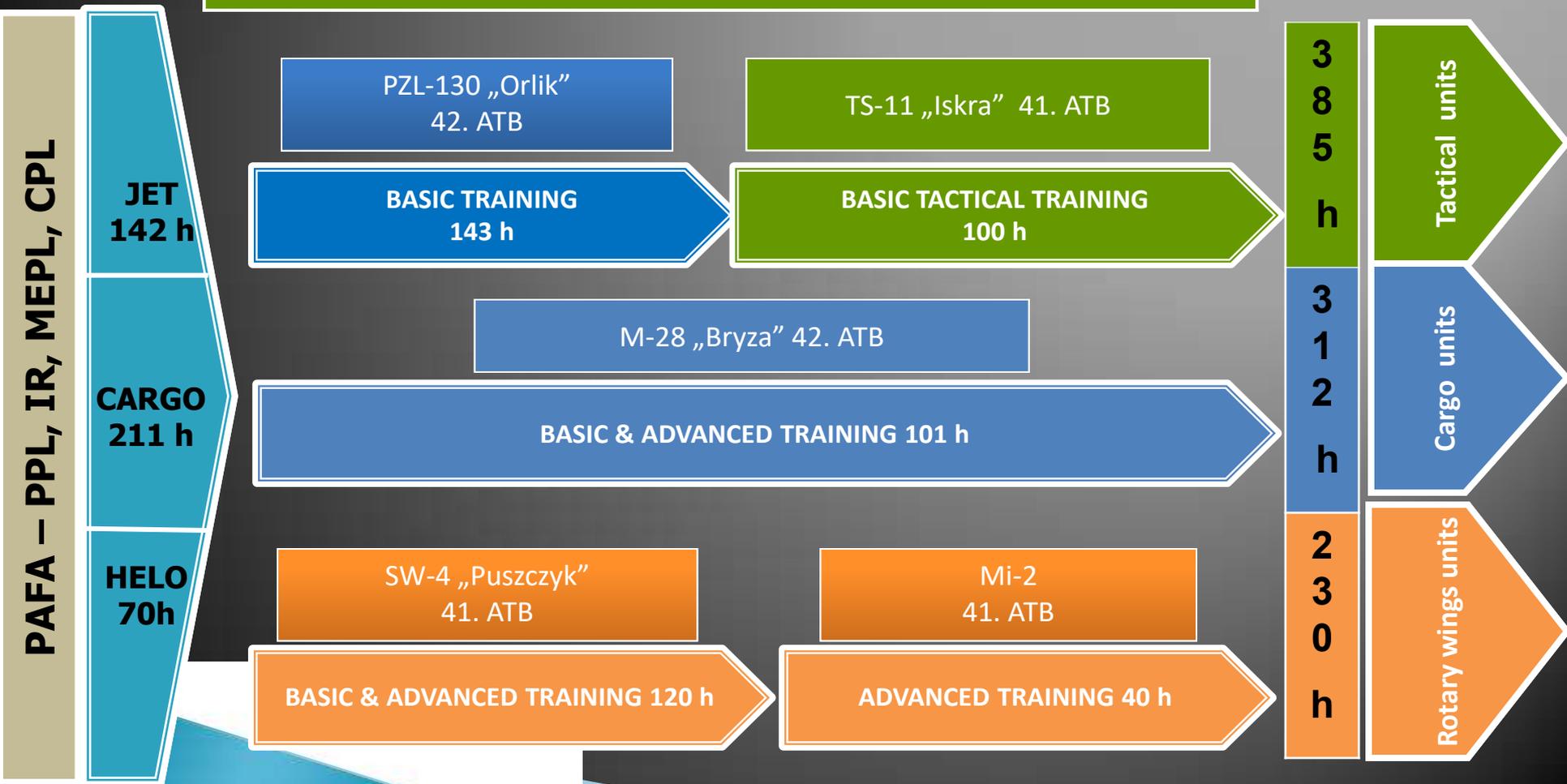
Exceptional task of The 4th Air Training Wing is to represent the Polish Air Force at international air shows.



# CADETS' AIR TRAINING



## PRACTICAL AIR TRAINING at The 4<sup>th</sup> Air Training Wing





# MILITARY TRAINING AIRCRAFTS



Lotnictwo.net

© Dariusz Karnas

## PZL-130 ORLIK



Lotnictwo.net

© Paweł Bondaryk



## SELECTED BY

- Italian AF
- United Emirates AF \*
- Republic of Singapore AF \*\*
- Israeli AF \*\*
- Polish AF \*\*

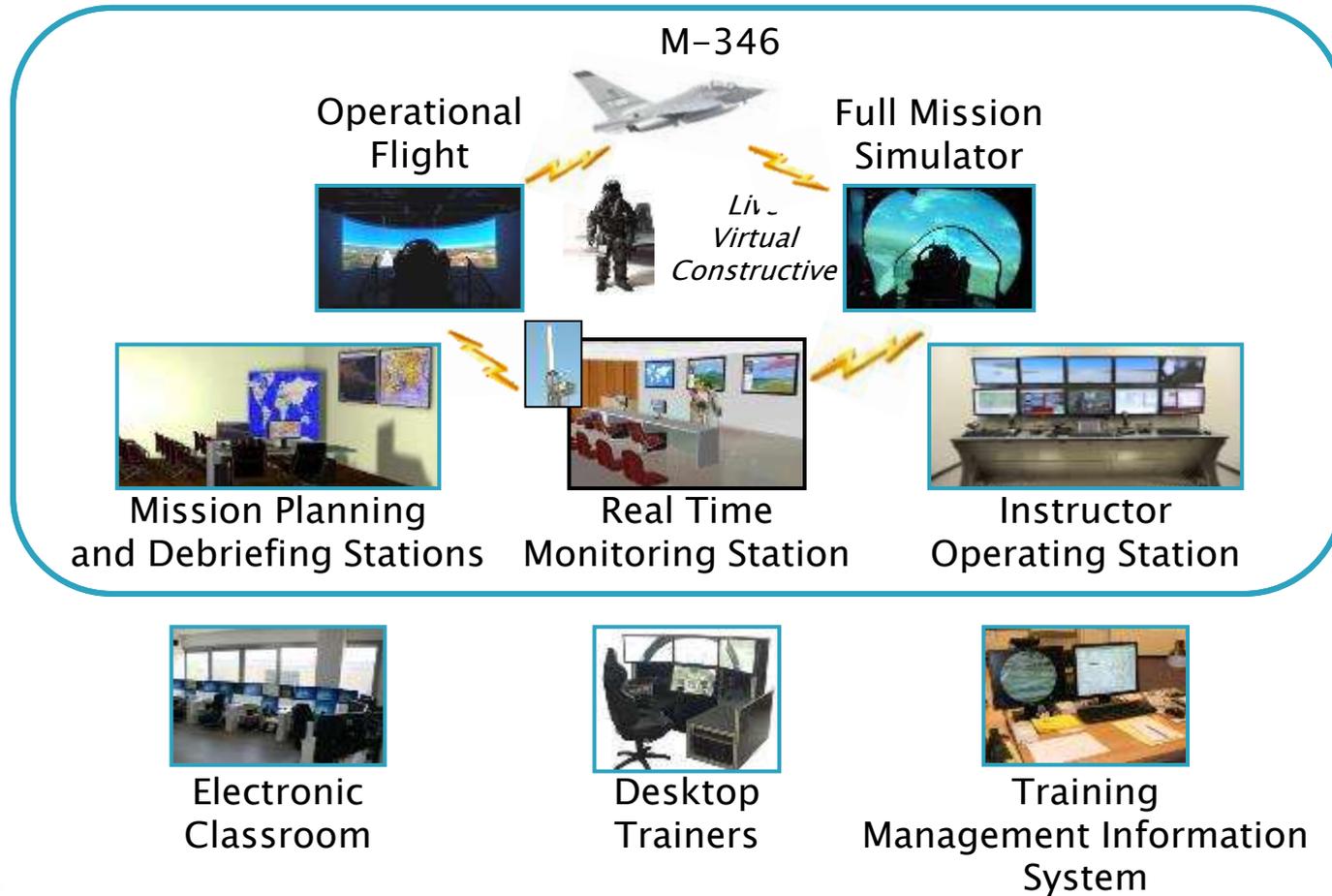
\* F-16 Blk 60 operator

\*\* F-16 Blk 52 + operators



# M-346 Integrated Training System Concept

## GBTS Components





M-28 BRYZA



SW-4 PUSZCZYK

## FUTURE POSSIBILITIES



### STEP I

- Multinational specialised training
- ERASMUS intensive participation

### STEP II

- Exchanges of students for air training

### STEP III

- Exchanges of teachers and instructors

INTERNATIONAL  
TRAINING  
CENTRE



# POLISH AIR FORCE ACADEMY

CONTACT:

[rektorat@wsosp.pl](mailto:rektorat@wsosp.pl)

[www.wsosp.pl](http://www.wsosp.pl)