

Education in fire protection in German speaking countries – state of the art and new approaches by EIFP

Autor / Author
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FUNDACIÓN **MAPFRE**

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Education in Fire Protection

PROCEDURE

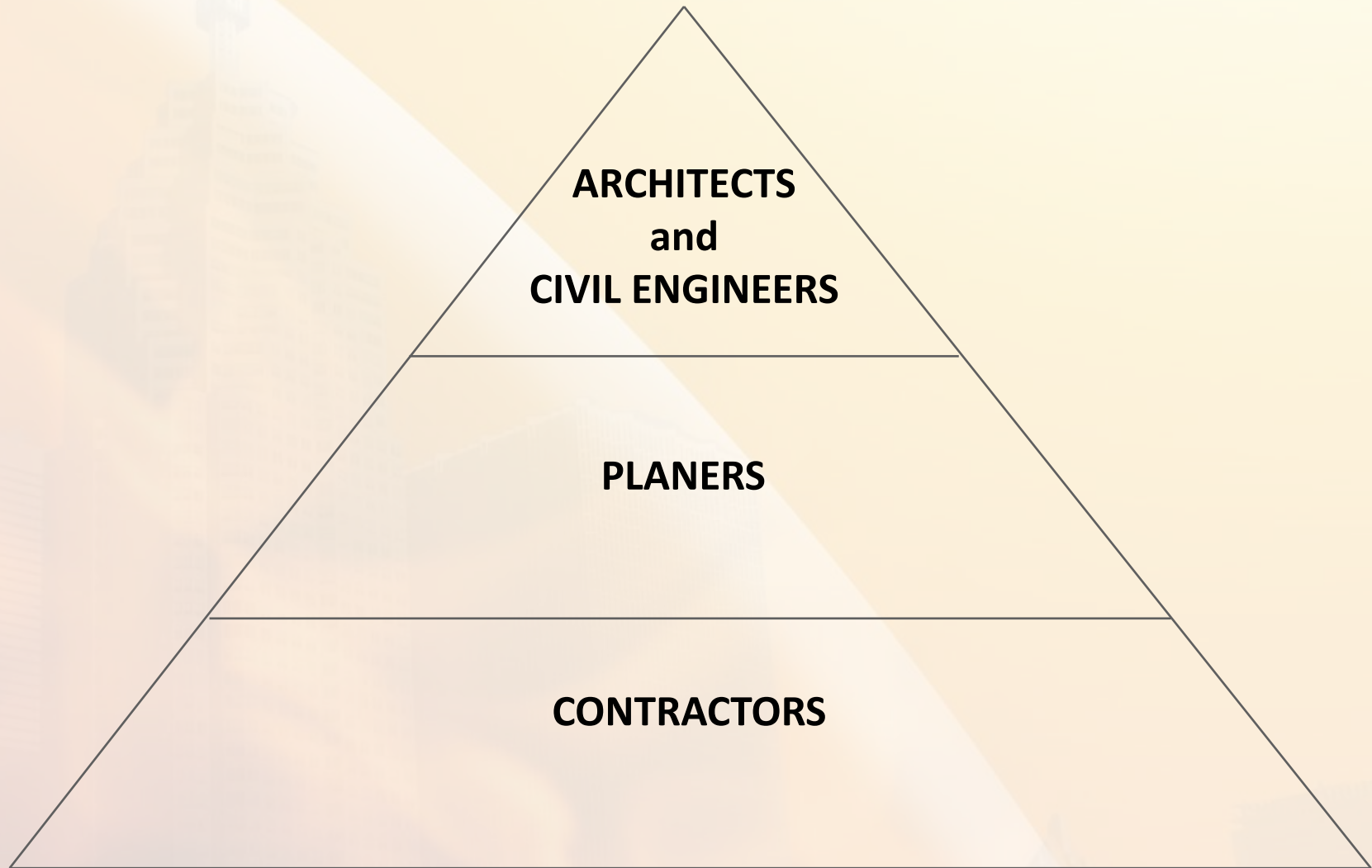
- Education in Fire Protection in D, AT and CH
- EIFP
- New approaches by EIFP

EDUCATION in FIRE PROTECTION

3 Levels :

- Installation and maintenance
- Planers / engineers
- Specialized Architects / civil engineers

Education in Fire Protection



Education in Fire Protection

STATE of the ART

(in German speaking countries AT, CH and D)

⇒ CONTRACTORS

- no official and authorized training and education
- no authorized and certified qualification

⇒ RESULT : - poor performance and quality
on site
- weakest point in fire protection

Education in Fire Protection

STATE of the ART

(in German speaking countries AT, CH and D)

⇒ PLANERS

- despite of requirements in the building codes : no official and authorized training and education
- no authorized and certified qualification

⇒ RESULT : private lessons and certificates
instead of authorized education

Education in Fire Protection

STATE of the ART

(in German speaking countries AT, CH and D)

⇒ ARCHITECTS

- court decisions define basic fire protection as part of architectural service
- **10 hours** of mandatory lessons in **12 semester** academic degree
- fire protection knowledge is based on individual voluntary education

⇒ **RESULT : fire protection depends on individual voluntary education**

Education in Fire Protection

European Institute for Fire Protection **EIFP**

- Location : near Basel / Switzerland
- since : February 2012
- Drivers : various stakeholders in Fire Protection
- European Competence Centre Fire Protection
- Quality and Certification Scheme

⇒ **EIFP STANDS FOR HIGH QUALITY
AND RELIABLE FIRE PROTECTION**

Education in Fire Protection

EIFP approach : Training and education in Fire Protection

- harmonised cross-border approach :
contractor – bachelor - master
- mutual acceptance of titles and certificates all over Europe
- Bologna - compatibility
- workplace mobility all over Europe

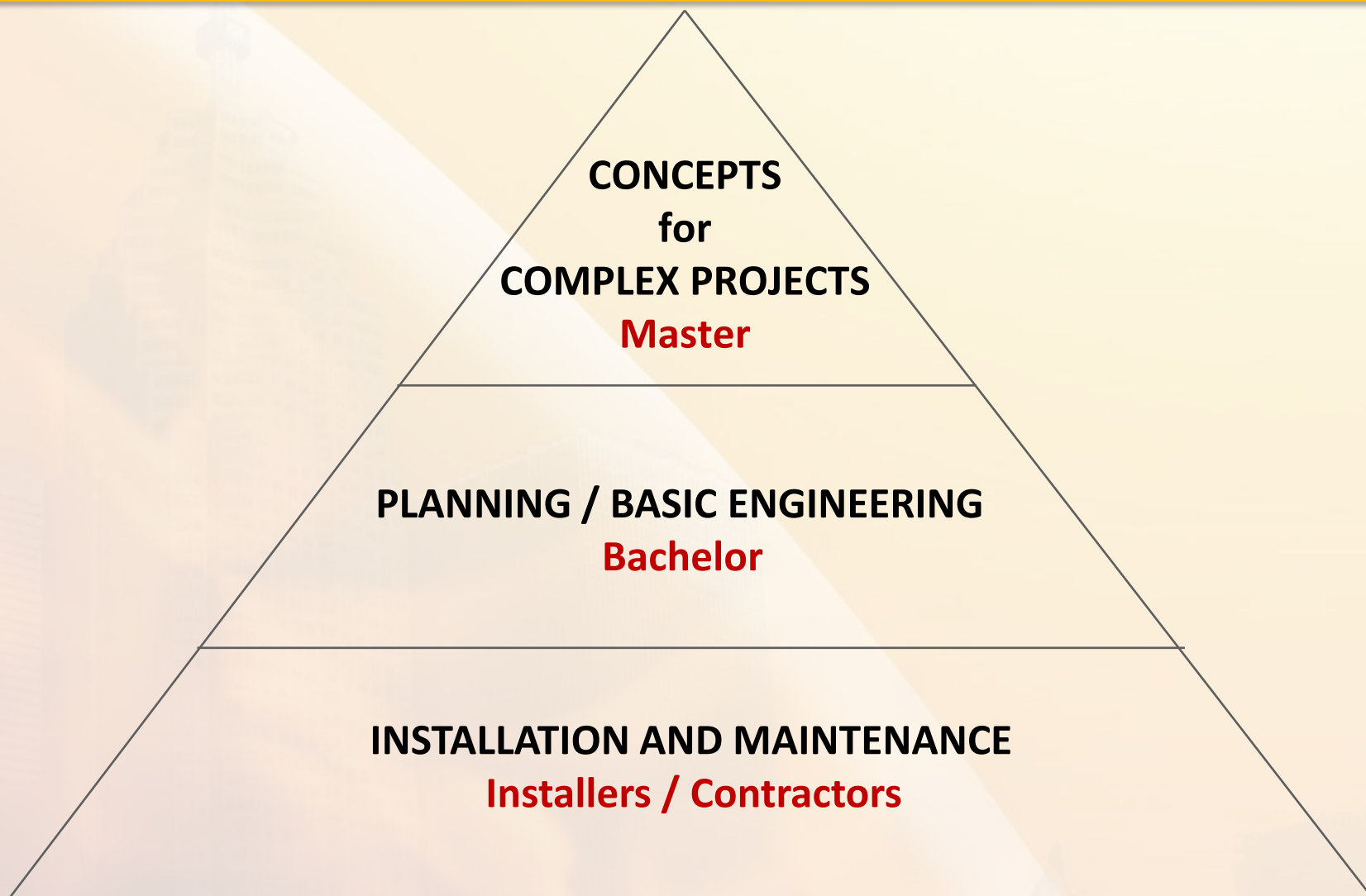
Education in Fire Protection

EIFP approach : Training and education in Fire Protection

⇒ **qualified** EDUCATION STANDS FOR :

**HIGH QUALITY
AND
RELIABLE FIRE PROTECTION**

Education in Fire Protection



Education in Fire Protection

INSTALLERS / CONTRACTORS

⇒ education and training based on empiric use and application for

- **installation**
- **maintenance**

Education in Fire Protection

BACHELOR

⇒ **planning / basic engineering**

- **module based approach**
- **pre-condition for attendance :
basic engineering (4 semester)**
- **fire protection modules as
special qualification (4 semester)**

Education in Fire Protection



ANNEX 1 : MODUL BASED APPROACH

EUROPEAN BACHELOR FIRE PROTECTION	AUSTRIA	Countrybased Modules
	SWITZERLAND	
	GERMANY	
Performancebased Modules	Fire Protection Management Supervisor Fire Protection Fire Protection Concepts Fire Protection on Timber+Steel Inspection on Site Fire Safety Engineering FSE Fire Fighting / Fire Brigades Active Fire Protection Explosion Hazard Management Organisational Fire Protection	

Education in Fire Protection

BACHELOR

- prescriptive
- normative

⇒ design of concepts with conformity to building codes, standards + regulations

Education in Fire Protection

BACHELOR

- design of concepts based on national building codes and regulations
- compensation for minor cases of nonconformity
- permanent controlling on site
- permanent quality control
- non authorized to issue instructions

Education in Fire Protection

MASTER

- performance based
- risk determined
- qualification : architect or civil engineer

⇒ design of holistic concepts for
complex international projects

Education in Fire Protection

MASTER

- **FSE**
- **hot calculation of load-bearing structure**
- **compensation in case of nonconformity to building codes, standards + regulations**
- **permanent supervising on site**
- **authorization for instructions**

Education in Fire Protection

EIFP

- is NOT an exclusive circle for German speaking people
- is open for any kind of active attendance

⇒ **major target : to send signals to fire protection stakeholders for a joint position and strategy**

Gracias por su atención
Thanks for your attention



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