



AYA ABED GAD

FIRE and LIFE SAFETY EXPERT for RESIDENTIAL,
COMMERCIAL AND MULTI-USE BUILDINGS at HBRC
TECHNICAL OFFICE ARCHITECT at LUUKKI
PhD STUDENT at DEPARTMENT OF ARCHITECTURAL
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CONTACT

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SUMMARY

Expert architect with +10 years' experience in fire and life safety engineering and high knowledge of international fire protection codes (EGYPTIAN FIRE CODE, NFPA101, IBC, IFC, UAE FIRE CODE). With my demonstrated practical experience in architecture, I prepare detailed fire protection strategies and life safety drawings. Dedicated to engineering and research collaboration by an academic background in Environmental Design and Energy Efficiency architectural measures, for the enhancement of community and quality of life. I am seeking a new challenge to expand my skills and experience to achieve higher levels.

PROFESSIONAL EXPERIENCE

ASSISTANT LECTURER at:

- Arab Academy for Science, Technology and Maritime Transport (AASTMT), Department of Architecture, (academic year 2022/2023) | Giza, Egypt
 - Taught courses in “Execution Design II, Visual Studies III”
- High Valley Institute of Science and Technology, Department of Architecture, (academic years 2021/2022 & 2022/2023) | Cairo, Egypt
 - Taught courses in “Perspective and Shadow, Sustainable Architecture, Environmental Control Systems, and Urban Theories”

Fire Protection Expert at Housing & Building National Research Center (HBRC)- Urban Training & Studies Institute (UTI), (January 2013 to January 2023) | Giza, Egypt

- **Architect and Technical Member in:**
 - Mega and Medium-level Project’s Review Committee.
 - Fire Protection Code Committee.
 - Car Parking Code Committee
- **Instructor for** “the Applications and Recommendations of the Egyptian Fire Protection code”
- **Review and prepare** technical reports on fire safety systems and approve the design of various mixed-use and Mega Projects in accordance to the Egyptian Fire Protection code (no. 305), and NFPA (no.101):
 1. **Examples of Projects in Cairo:**
Cairo Festival City Mall / Almaza City center mall / El-Sallab hospital / Egyptian Chinese University/ Modifications of City Stars’ mall / Lake side (building D&E)/

Modification of Radio and Television Union building/ Service Center for the Fourth Residential Sector- Madinaty/ 9th phase mall Al-Rehab City / Southeast Corner Mall - Al-Rehab City/ NBKE – New capital / Cairo office building (no.cs 08) – New capital/ others...

2. **Examples of Projects in Giza:**

Sun City Mall / Porto October / New national cancer institute (500 500)/ Mina smart complex / Hospital for Orthopedics and Specialized Surgeries Residential complex of the Faculty of Engineering at Minia Universit Minia / El-khamayel hospital / Bank Audi / View mall / Porto october little rome/ Mina Plaza / Modification of dandy mega mall / ZED towers (phase1)/ others...

3. **Examples of Projects in other Governorates:**

Wadi degla sporting club - Alexandria / Green towers – Qalyubia/ Jade factory– Qalyubia / Al-Yoser residence compound – Qalyubia/ Al-fardos complex Qalyubia/ Arab Academy for Science, Technology– New Alamein City/ others...

- **Contribute to the preparation** of the existing hotel buildings code, Floating boats' fire protection code, and others...
- **Prepare a draft code** for garages in multi-purpose buildings, fire protection code, and others...
- **Participate in the NFPA 101-2018 training course** at the Urban Studies and Training Institute (UTI) to improve knowledge of fire safety codes.
- **Responsible for coordinating, moderating and documenting technical and progress meetings with contractor/client representatives.**

Fire Protection Expert at LUUKKI (from 2016 till present) | Cairo, Egypt

- Prepare Fire and Life Safety Strategies for Mega-and Medium scale Projects in accordance with the Egyptian Fire Protection Code.
- Review, modify, and prepare the fire and life safety drawings. for many projects:
 - Residential Compound “Lake View”- New Cairo
 - Shopping Mall “Duga” - New Cairo
 - Modifications of Amazon office – Cairo
 - Administrative-Residential Complex “Golden Tenth”- 10th of Ramadan
 - Documentation of the status quo building of the Supreme Constitutional Court- Cairo

Intern at Zuhair Fayez group (ZFP) (from 2009 till 2011) | Cairo, Egypt.

EDUCATION

Ph.D. candidate: Environmental Design and Energy Efficiency

Department of Architectural Engineering - Faculty of Engineering, Cairo University since 2021.

Thesis proposal title: Fire Safety in Green Buildings

M.Sc. with honors: Environmental Design and Energy Efficiency

Department of Architectural Engineering - Faculty of Engineering, Cairo University October 2019.

Thesis title: Audit and Retrofit Existing Building for Energy Efficiency in Hot Arid Climate

- Premasters stage grade A- (GPA 3.7 - Excellent).

B.Sc. Architectural Engineering

Department of Architectural Engineering -Faculty of Fine Arts, Helwan University May 2012.

Graduation project title: El-Tor Port Workers Sustainable Housing Project

Graduation Grad: Very Good

Overall Grade: Good

SOFT SKILLS

- Leadership
- Work Collaboratively
- Communication Skills
- Influence and Negotiation

DIGITAL COMPETENCIES

- AutoCAD
- Photoshop
- Microsoft Office (Word/Excel/PowerPoint)
- SketchUp
- Revit
- Vasari Analysis

LANGUAGES

- **Arabic** Native
- **English** Very good

ATTENDED SEMINARS/ CONFERENCES/ WORKSHOPS

- 1- Attendee in “**Car-Parking Ventilation & Smoke Management**” ASHRAE - Cairo Chapter Conference at Grand Hayat Hotel- Cairo, April 2018.
- 2- Attendee in “**Towards a Better Quality of Life**” International Conference at Technical University of Berlin Campus El Gouna, November 2017.

PERSONAL INFORMATION

Date of Birth: 17 Jan 1991

Nationality: Egyptian

Marital Status: Married