

Structural Engineering



STE PROGRAM

It is About

Design

Supervision

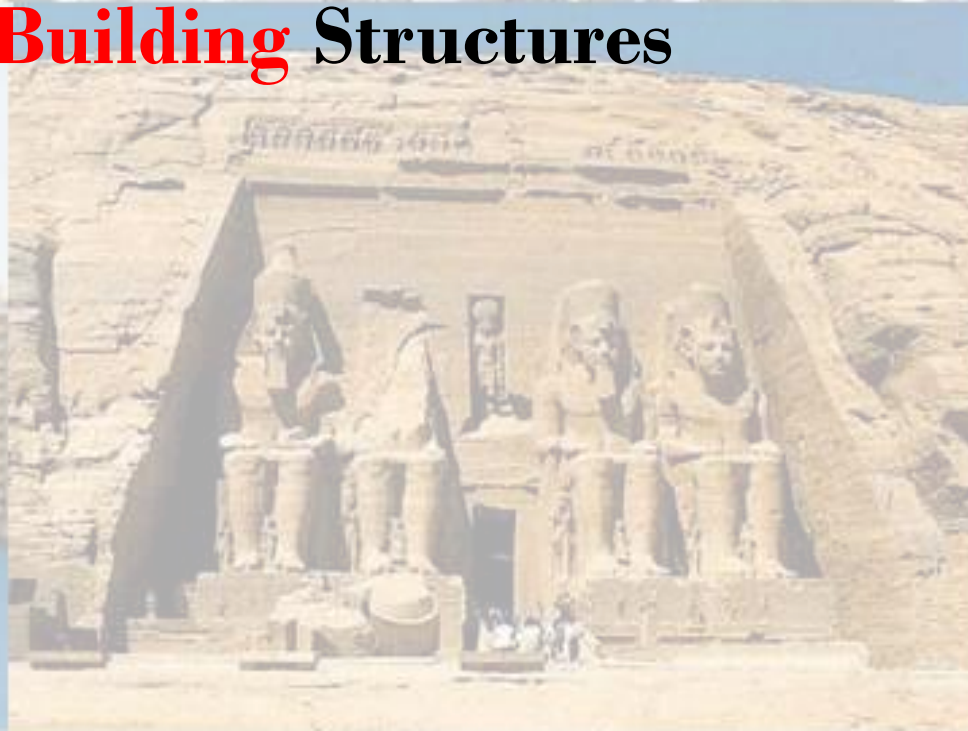
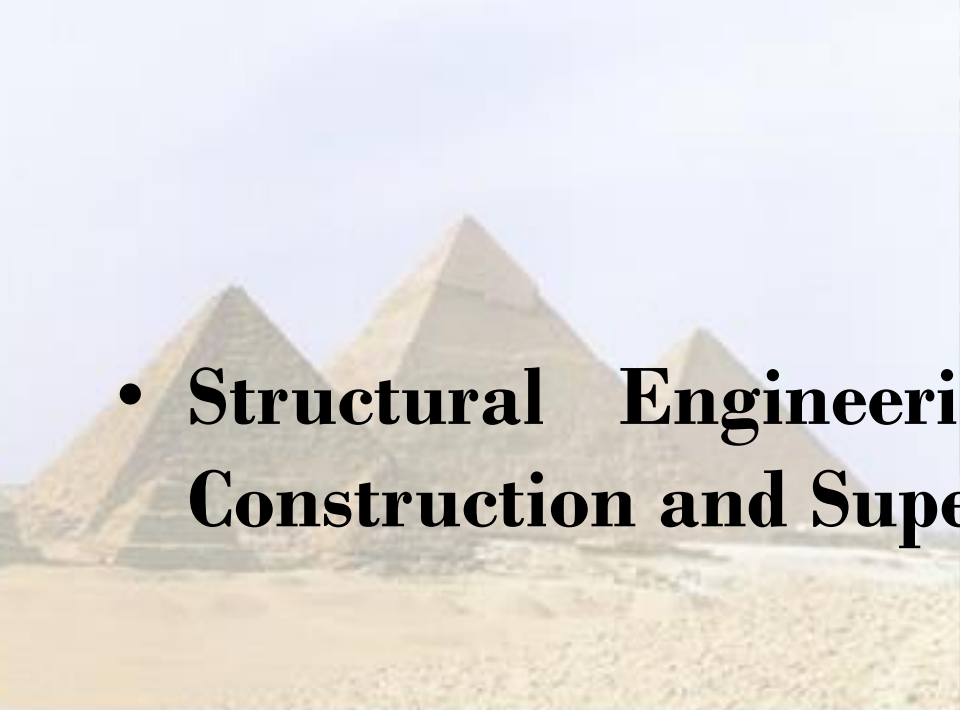
Construction

Of What??



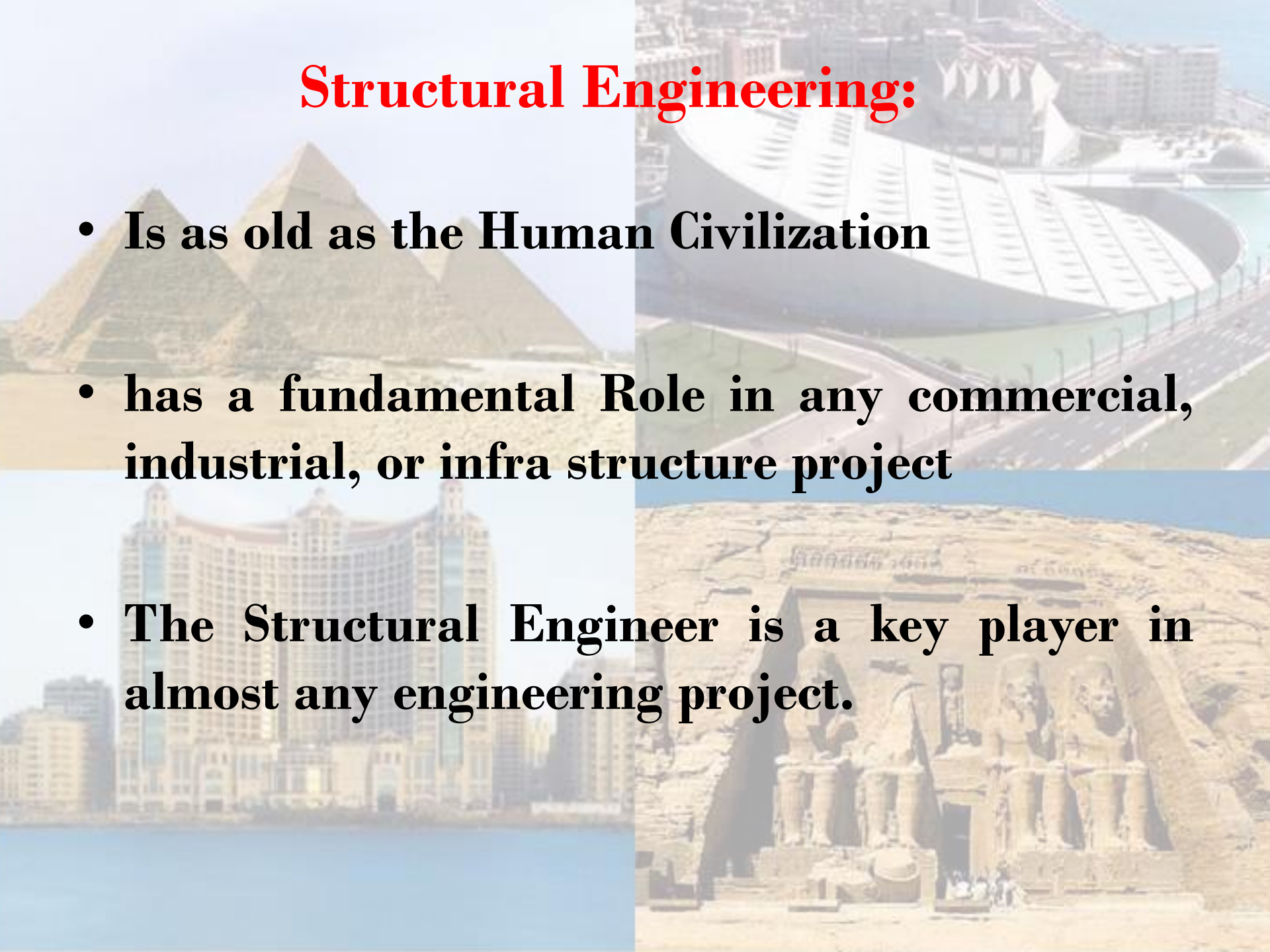
- **Structural Engineering is about: Design, Construction and Supervision of:**

Building and Non-Building Structures



Structural Engineering:

- **Is as old as the Human Civilization**
- **has a fundamental Role in any commercial, industrial, or infra structure project**
- **The Structural Engineer is a key player in almost any engineering project.**



Qualifications

- **Did you like your Mechanics class?**
- **It is good to have a good grasp of mathematics, but frankly, you need not to be a Math savvy.**
- **If you have passion for design and would like to see your ideas materialize in front of you, brace yourself, it is the routine work for a Structural Engineer.**

Examples of Structural Engineering projects

- **Bridges**



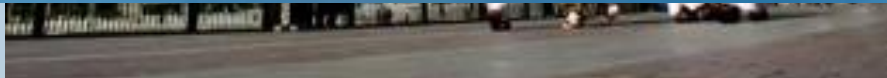
Examples of Structural Engineering projects

- Tunnels



Examples of Structural Engineering projects

- Towers



Examples of Structural Engineering projects

- Airports



Examples of Structural Engineering projects

- **Transmission and Communication Towers**



Examples of Structural Engineering projects

- **Industrial Plants**



Examples of Structural Engineering projects

- Sports facilities



Future Demand on Structural Engineers In the Middle East Region

- **Economic Development in Egypt and neighboring countries requires structural engineers**
- **In Egypt; Housing, Transportation, Environmental, Industrial, and Telecommunication projects are either underway or being planned**
- **Reconstruction of the neighboring countries provides many jobs .**



STE Students Have been training at

The logo for 'dar' is written in a lowercase, teal-colored, sans-serif font.

Dar El-Handasa



AMG AL AMAR Consulting Group S.A.
مجموعة العمار الاستشارية ش.م.م.

COSMOS

The logo for COSMOS E features a large, grey, serif letter 'E' with a grid pattern inside it.

Engineers & Consultants



Rowad Modern Engineering



MISR CONSULT
Integrated Engineering Studies



ACE CONSULTING ENGINEERS
MOHARRAM BAKHOUM



الشركة السعودية المصرية للتعمير
Saudi Egyptian Construction Company



Receipients of STE Graduates



Dar El-Handasa

وزارة الإسكان والمرافق والمجمعات العمرانية
المركز القومي لبحوث الإسكان والبناء



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E
Engineers & Consultants



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MOHARRAM BAKHOUM



الشركة السعودية المصرية للتعمير
Saudi Egyptian Construction Company

Example Projects Designed by STE Graduates



Water Treatment Plant
Sharkeya Governorate

Example Projects Designed by STE Graduates



University Of Victoria Parkade,
Vancouver Island, BC, Canada.

Example Projects Designed by STE Graduates



Quarry Park Condos, Calgary, AB, Canada.

Example Projects Designed by STE Graduates



RRP Mosaic Stadium, Regina, SK, Canada.

Example Projects Designed by STE Graduates



Desalination Plant, Basrah, Iraq.

STE Student Activities



The Concrete Convention
and Exposition



**Ahmed Samy
Ghanem**



**Abdelrahman
Gharib**



Zeyad Nabil



**Abdelrhman
Hazem**

**Cairo University
Faculty of Engineering**



**Faculty Advisor:
Prof. Osama Hodhod**

2018 FRC Bowling Ball Competition

STE Student Activities



STE Student



STE Student Activities



For More Information on The Structural Engineering Program

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