

A large yellow mining truck is the central focus, positioned in a quarry or mining site. In the background, a complex conveyor belt system is visible, transporting material across the site. The sky is filled with large, white clouds, and the overall scene is industrial and rugged.

# **CONSULTANCY AND SOCIAL IMPACT**

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# Social Impact

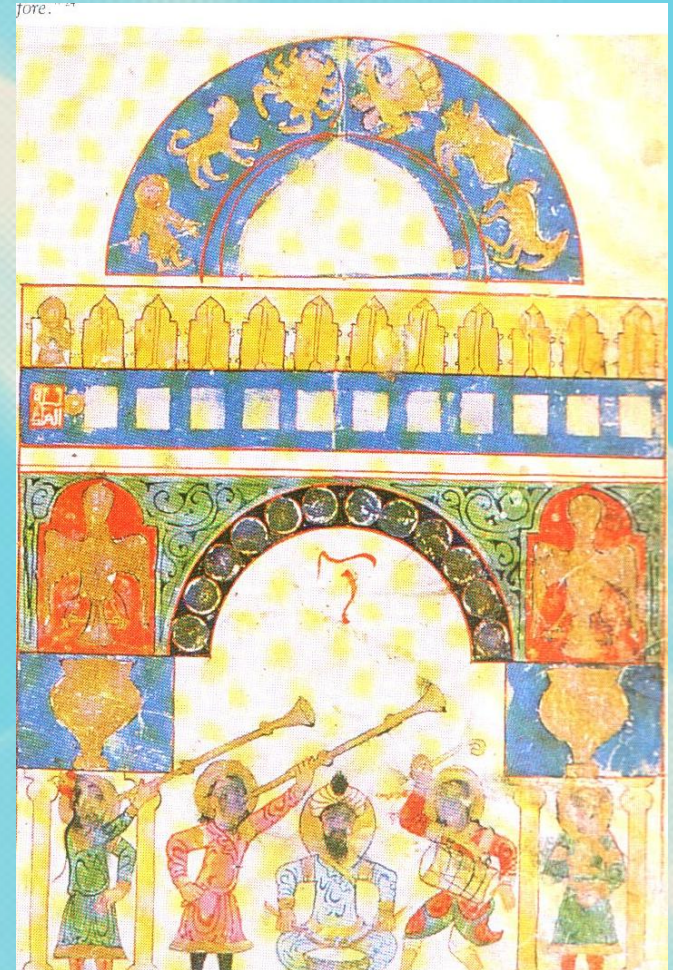
- The influences or affects an organization or group can have to impact people's lives, but not on a personal level, increasing with immediacy and strength, and can have both positive and negative social consequences.
  - **Positive or negative**
  - **Intended or unintended**
  - **Irreversible**



# Consultant Engineers

- What makes them different from Professional Engineers?
- Focus on Consultant Engineers role in SI not as a business but as a profession

Illustration of a high precision water clock designed and built by El-Cezr. A bookkeeper recorded in his notes in 9th century, "...this clock performed many more astonishing accomplishments which we French had never seen before."



# Historical Impacts

- Aquaducts
  - Facilitating large scale agriculture
  - Abundance of food supply enabling cities, organisations and civil works



# Historical Impacts

- Ephesus Theater & Colosseum
  - Large scale construction work
  - Acoustic engineering
  - Hydraulics
  - Effect : Citizenship & Democracy



# Historical Impacts

- WWW
  - Developed at CERN for easy collaboration
  - Free access to information for all
  - Social Networks



# Responsibility

- Hidden responsibility of consulting engineers
- Social Impacts are important in shaping the society
- This shape is important in future competitiveness, wealth and well being of the society
- The Consulting Engineer, with independent judgement should have SI as an agenda item in all tasks

# Responsibility

- Engineering approaches are adopted for :
    - Quantifying
    - Methodising
    - Predicting
    - Monitoring
- of SIA (Social Impact Assessment)

# Indicators of Social Change

Shift	Definition
Shift in definition	The issue is defined differently in the society
Shift in behavior	People start to behave differently in the society
Shift in engagement	People are advocating the behavior changes and encouraging others to join
Shift in policy	An institutional, organisational or legislative policy or practice has changed

# Current Trends

- Sustainability
- Intercultural and interreligious interaction
- Protectionism/Conservationism
- Universal Values

