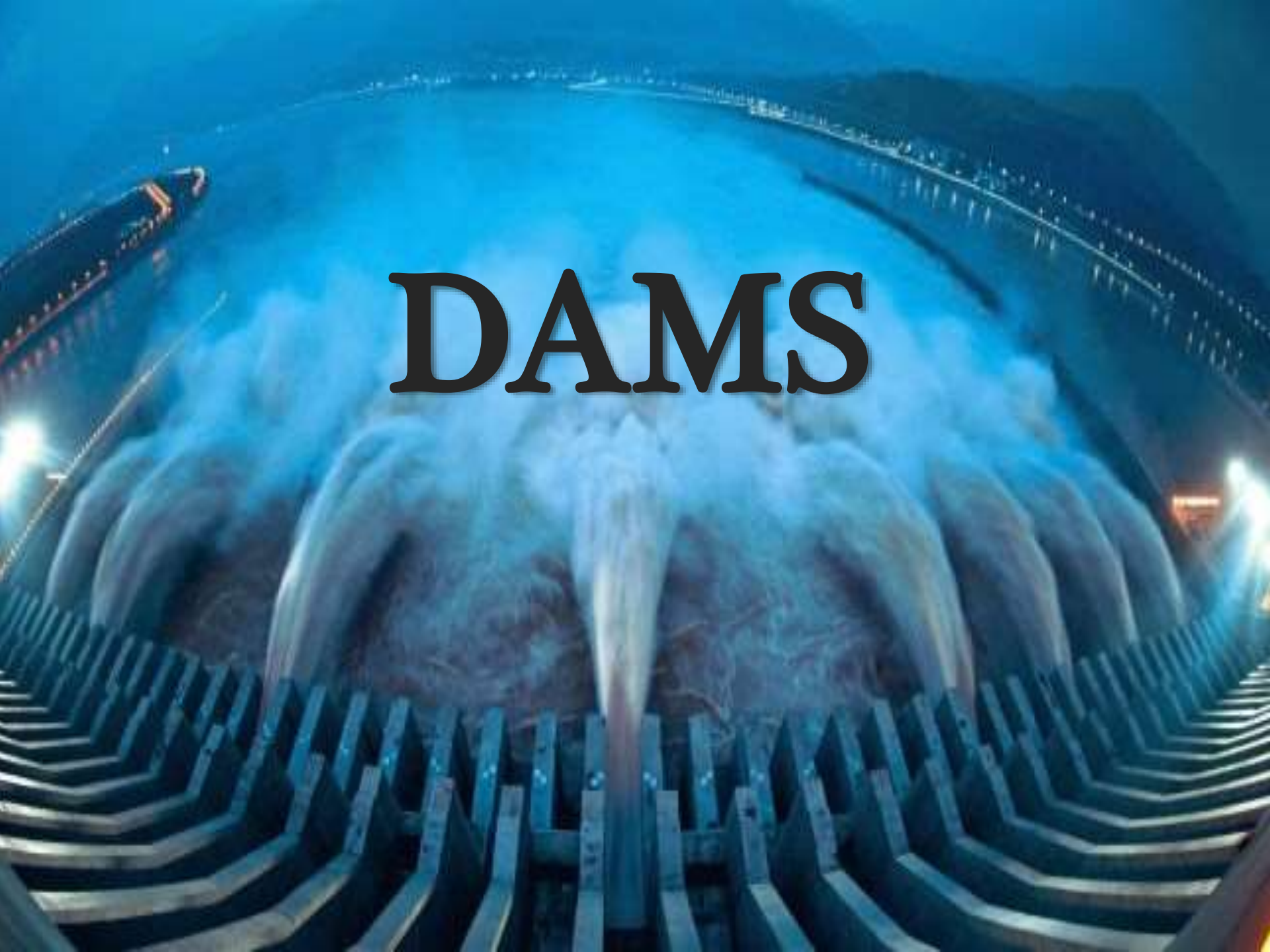
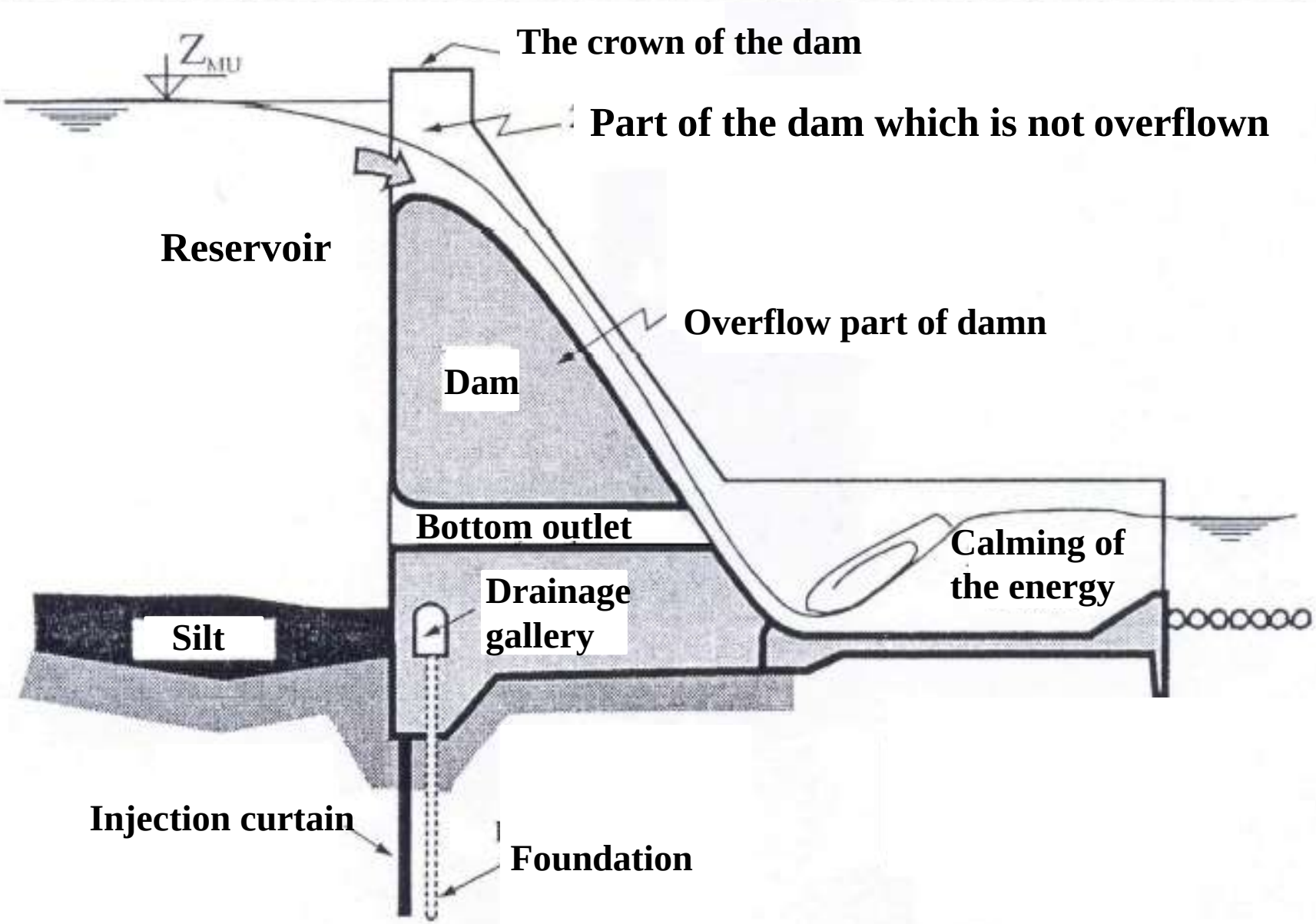

DAMS

The oldest hydraulic structures

The basic elements of a dam:


Z_{MU}
The crown of the dam
Part of the dam which is not overflown
Reservoir
Overflow part of damn
Dam
Bottom outlet
Calming of the energy
Drainage gallery
Silt
Injection curtain
Foundation

Types of dams:

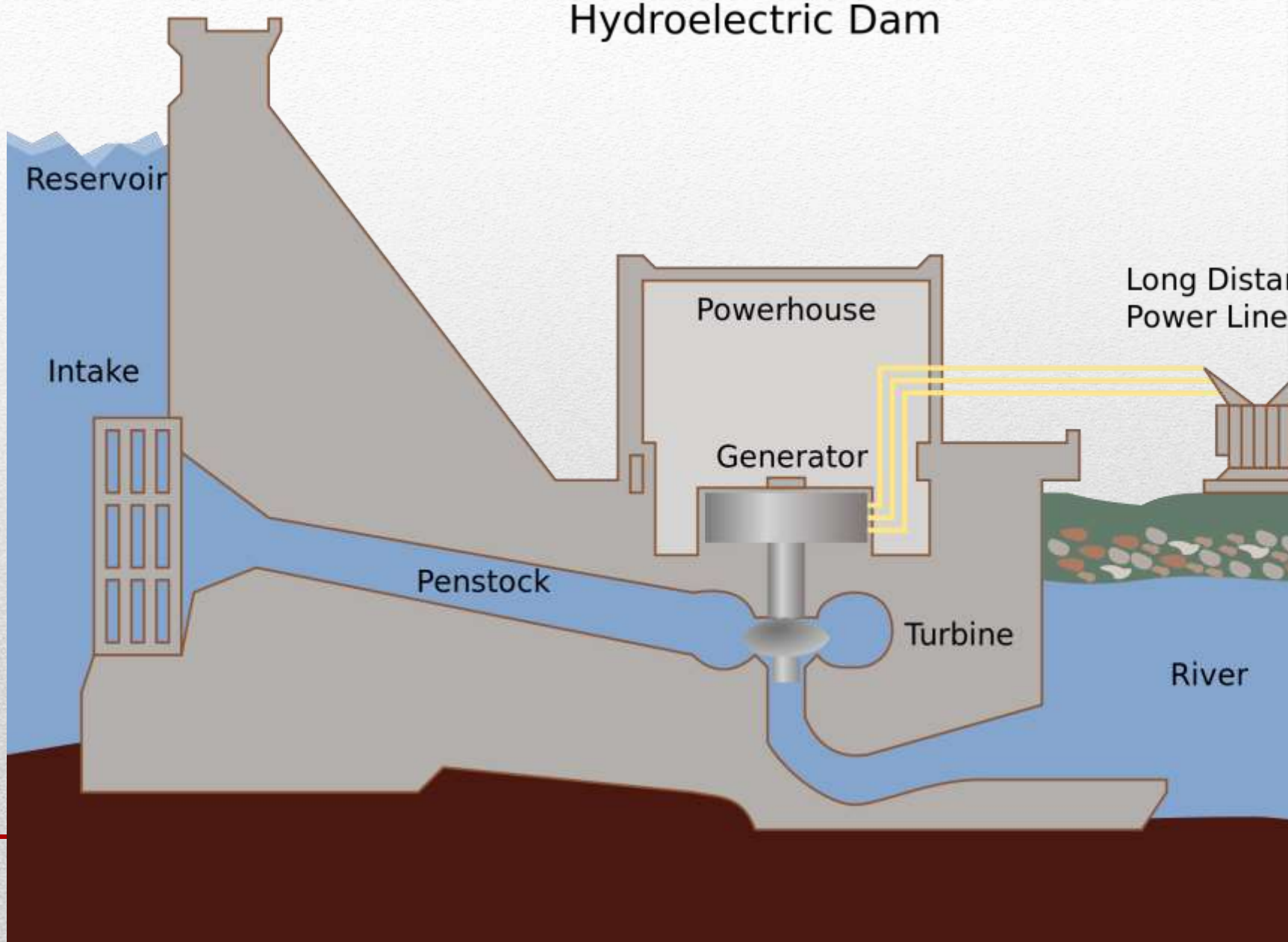
compacted earth, crushed rock and sand

uilt across wider streams where water flows rather slowly

EMBANKMENT DAMS

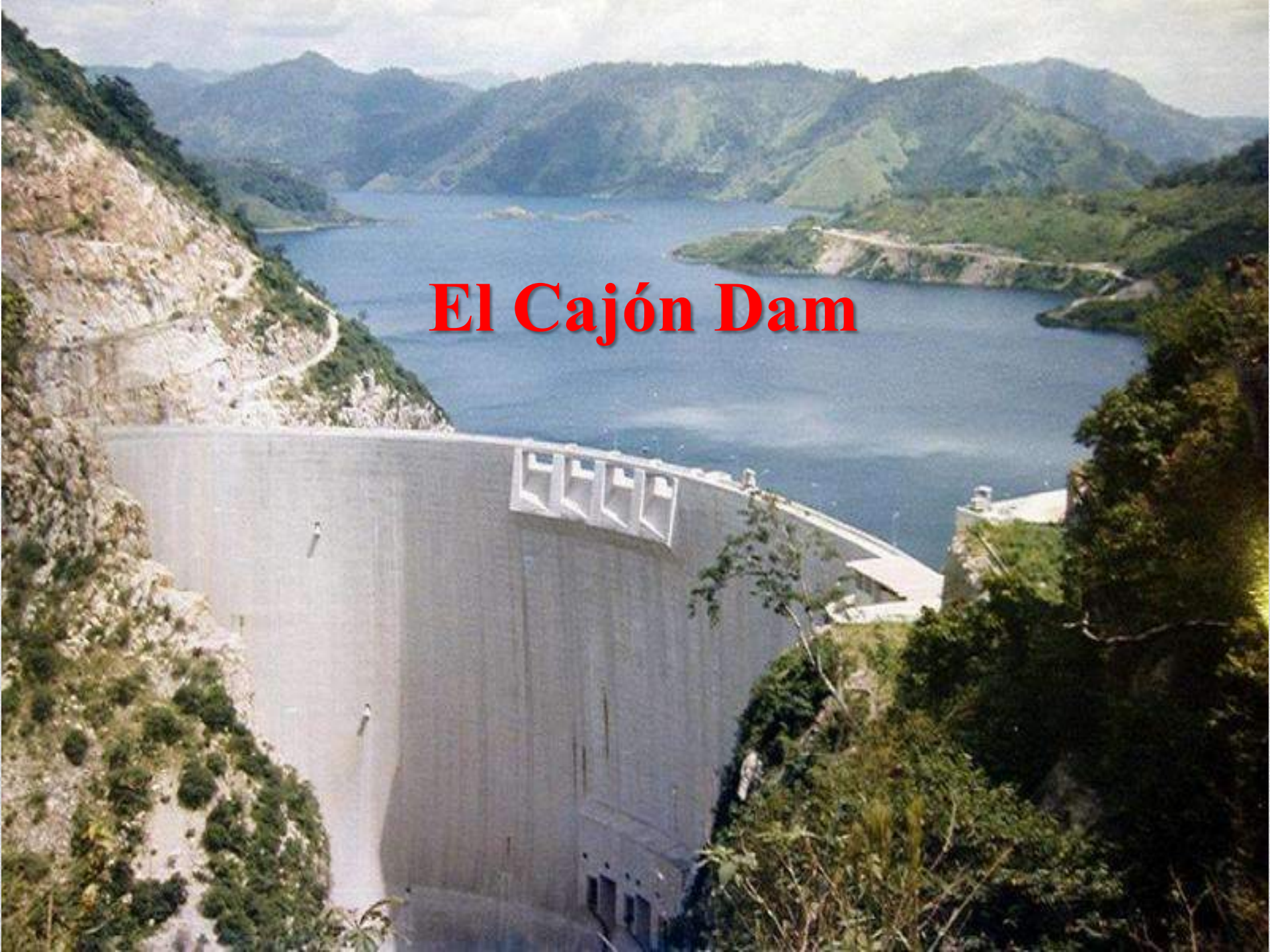
ADVANTAGES:
-minimum requirements for foundation conditions
-adaptable to almost all types of terrain
-various materials for embankment
-cheaper and faster building

DISADVANTAGES:
-great sensitivity to overflow
-great sensitivity to uncontrolled seepage and leaking
-


Hydroelectric Dam
Reservoir
Intake
Powerhouse
Generator
Penstock
Turbine
River


Nurek Dam


Travel to Eat .com


El Cajón Dam


OSI

Dams in Croatia


Sklope


Bajer

Varaždin

Words:

- irrigation – navodnjavanje
- to impound water – akumulirati vodu
- water-supply system – vodoopskrbni sustav
- extenstive survey – opsežno/detaljno mjerenje
- to excavate a temporary channel – iskopati privremeni tunel
- masonry dam – zidana brana
- embankment – nasip
- narrow valley – uska dolina
- compacted earth – čvrsto zbijena/nabijena zemlja
- crushed rock – drobljeno kamenje
- velocity –brzina
- seepage – curenje vode ispod temelja
- protective features – zaštitne mjere
- leaking – curenje
- porous material – porozni/ šupljikav materijal
- sandstone – pješčenjak
- to outweigh gains- premašiti prednosti/dobitke

Literature:

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