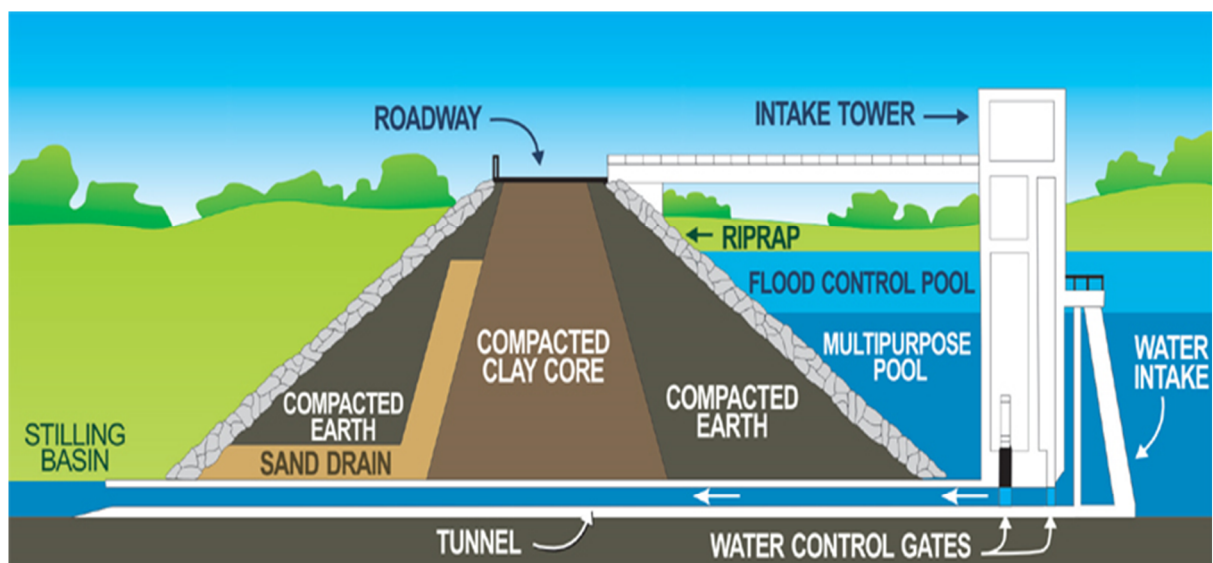
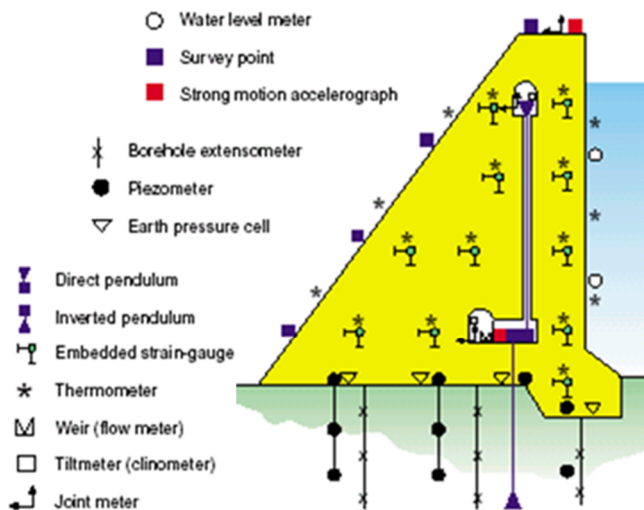
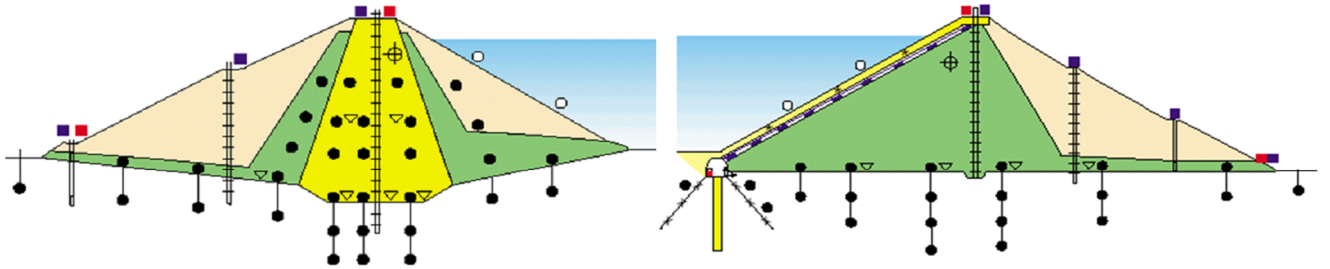


# APPLICATION OF GEOTECHNICAL INSTRUMENTATION



Dr. GOUW TJIE-LIONG, ChFC  
2021

# **THE APPLICATION OF GEOTECHNICAL INSTRUMENTATION**

Geotechnical Instrumentation for Dams ..... Instr-1

- Dam
- Earth Fill Dam
- Concrete Dam

Geotechnical Instrumentation for Tunnel, Caverns and Underground Works ..... Instr-16

- Tunnel Monitoring

Geotechnical Instrumentation – Planning & Design ..... Instr-19

- Goal of Monitoring Systems
- Well-planned Monitoring Program
- Selection and Planning for Instrumentation
- Automatic Wireless Monitoring System