



# *2D/3D CAD Design Of Asian Region*

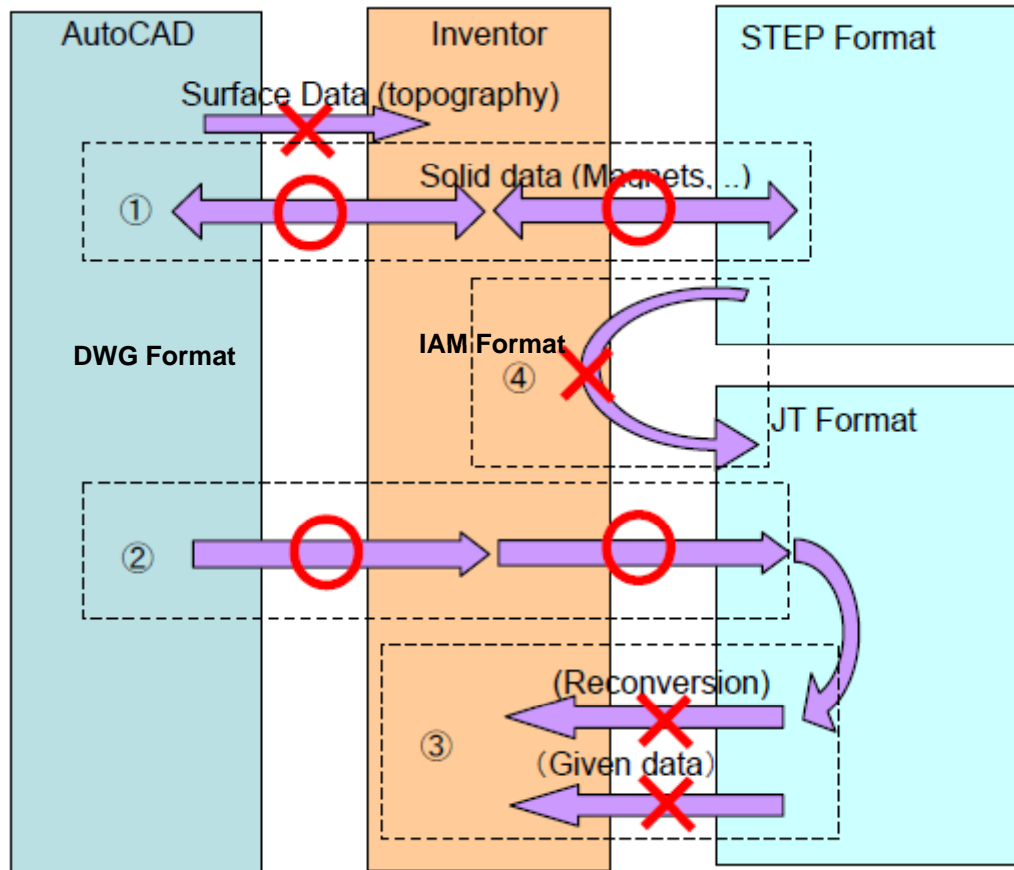
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(KEK)*



# *File Conversion*



# File Conversion Survey





## *File Conversion Survey*

- (1) Data except solid data, such as color, are not converted.
- (2) It was not confirmed all AutoCAD commands are available for the converted files.
- (3) It is not known the reason that the STEP files could not be converted to those in JT Format using by Inventor.
- (4) The converted file size from STEP becomes larger and the computer needs more speed and capacity:
  - OS: Windows XP 64 Bit
  - Processor: Intel >3.33 GHz
  - Memory: 1>6 GByte
  - Graphic board: >NVIDIA Quadro FX4800
- (5) AS / CFS 3D-CAD data, which were developed by other teams have not yet been utilized.

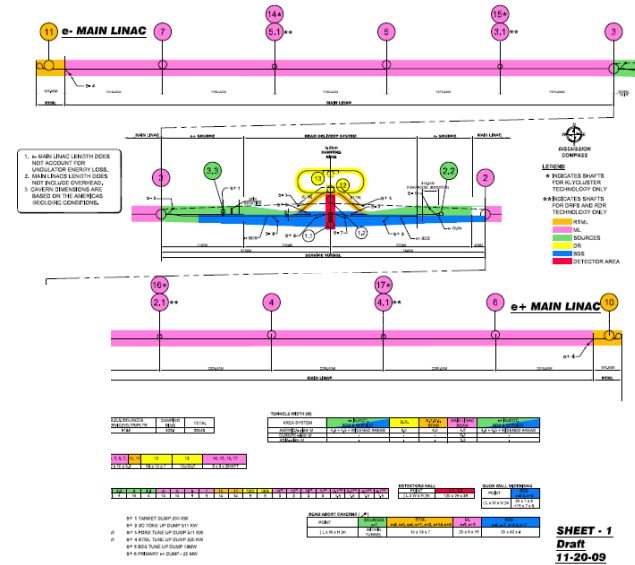
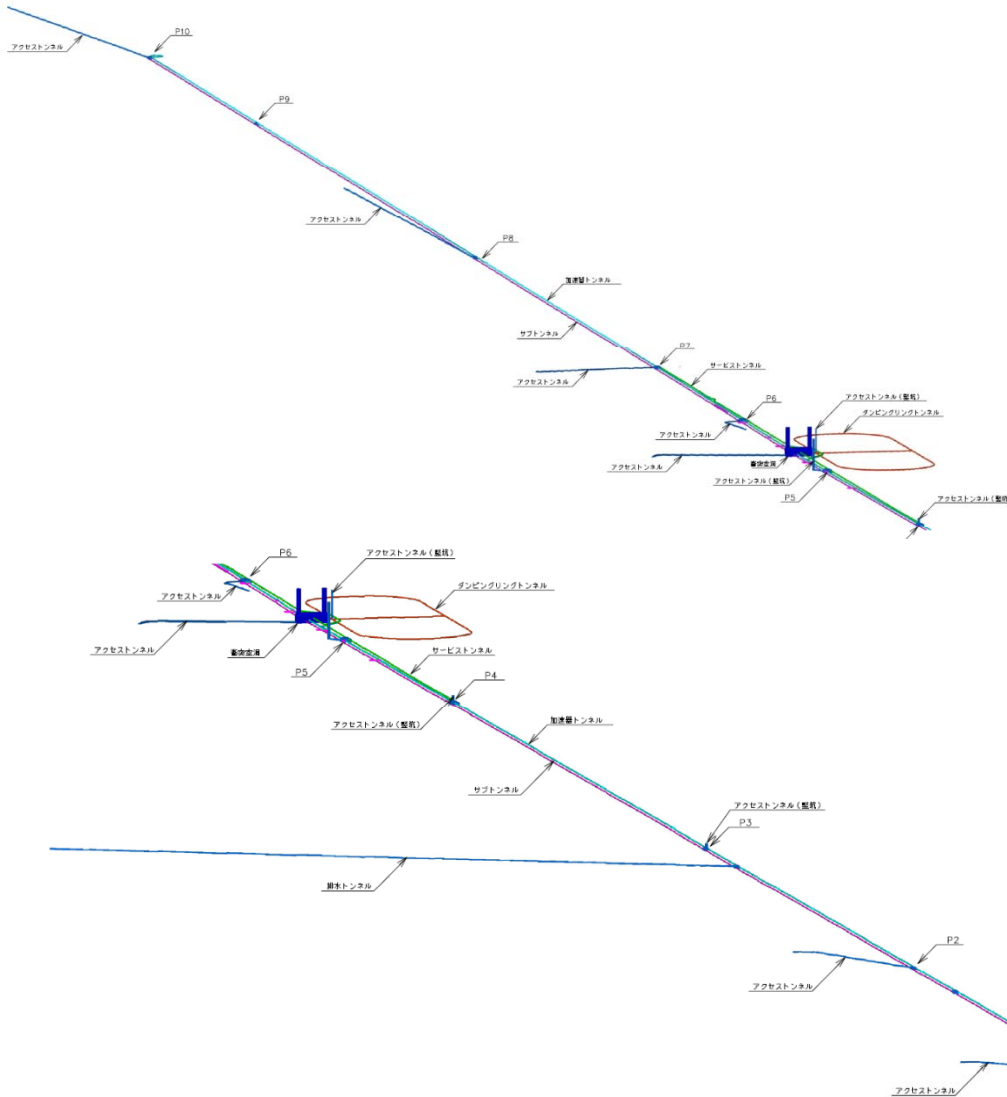


# *3D-Design for Site Layout*



# 3D CAD Work (1)

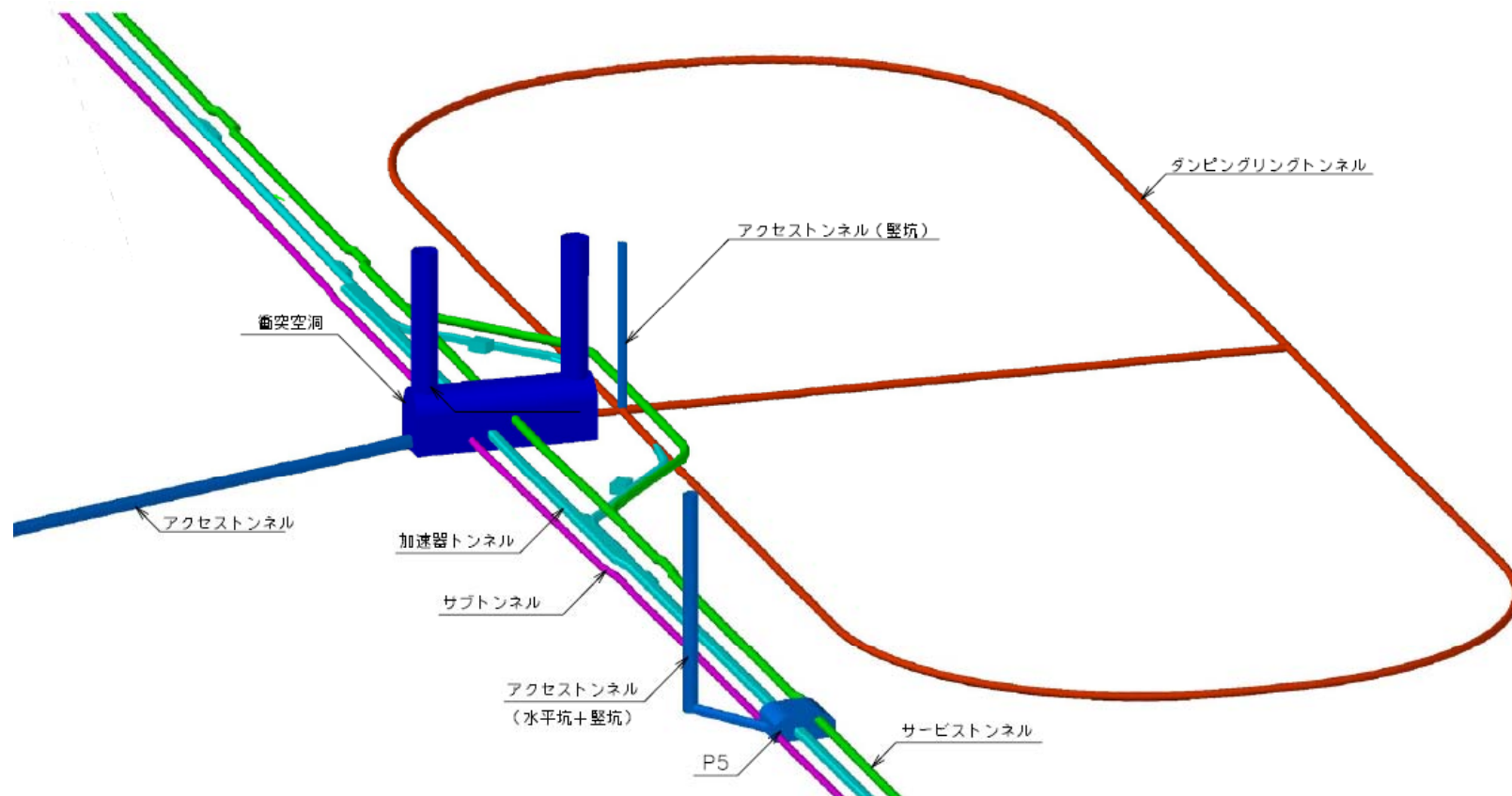
Application of 2D layout to the Asian sample site.





## 3D CAD Work (2)

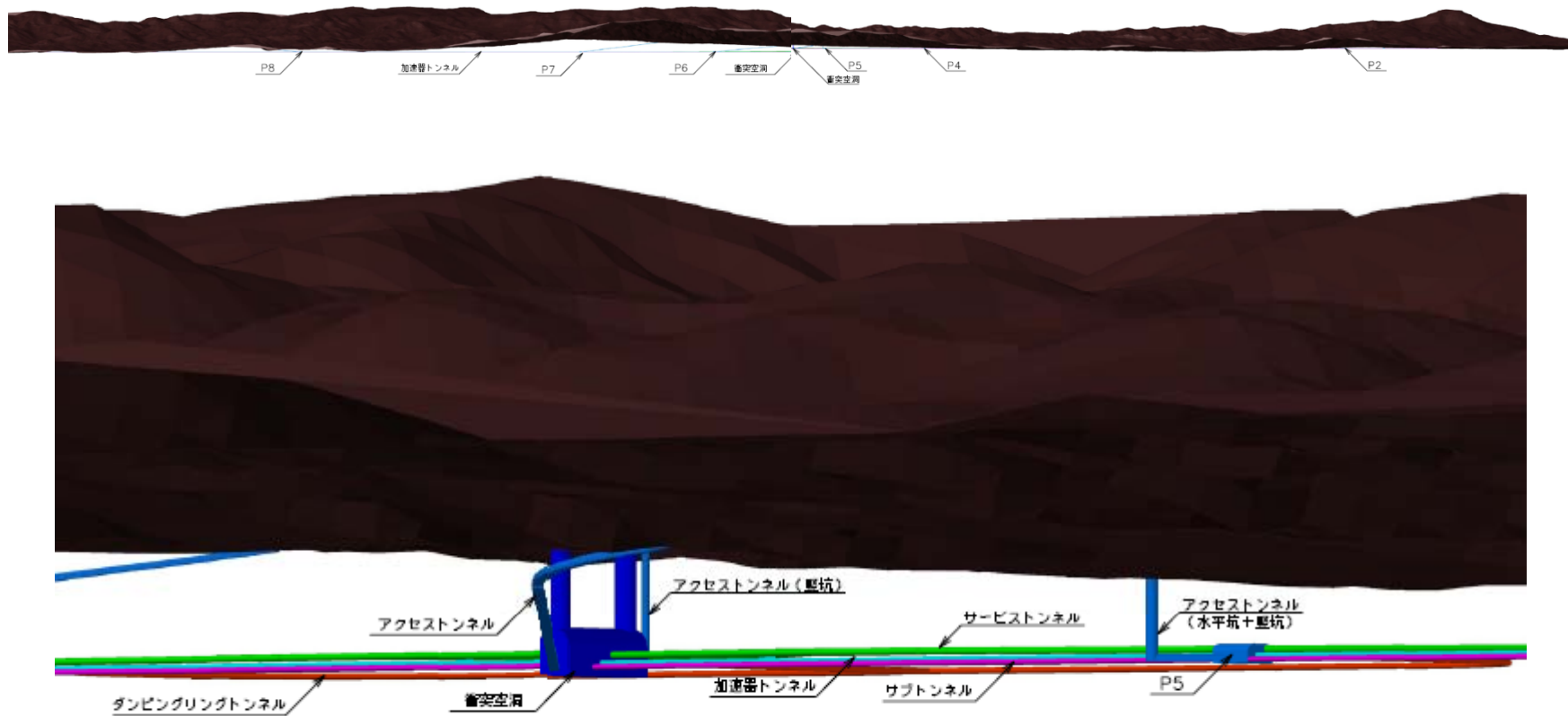
Application of 2D layout to the Asian sample site.





## 3D CAD Work (2)

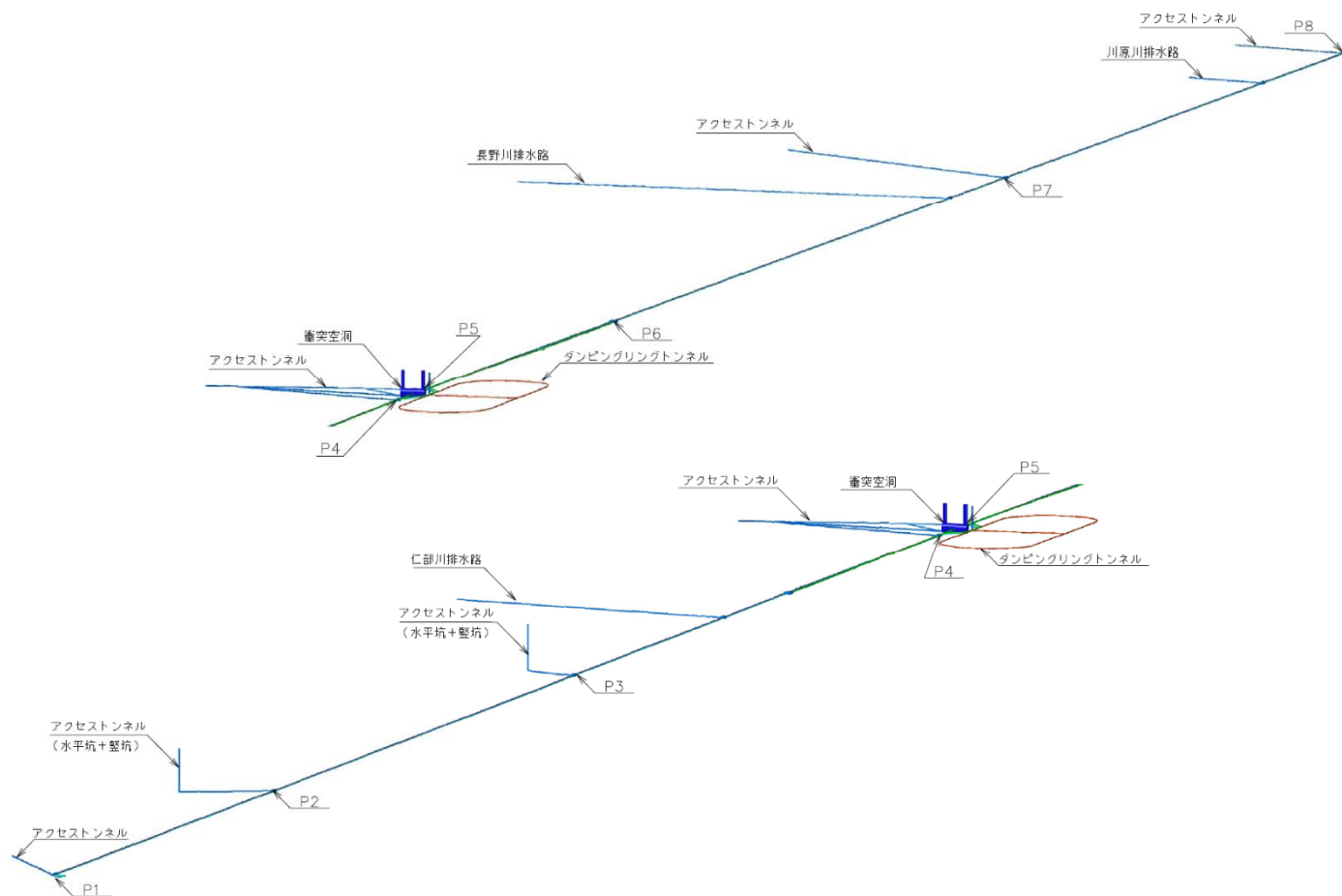
Application of 2D layout to the Asian sample site.





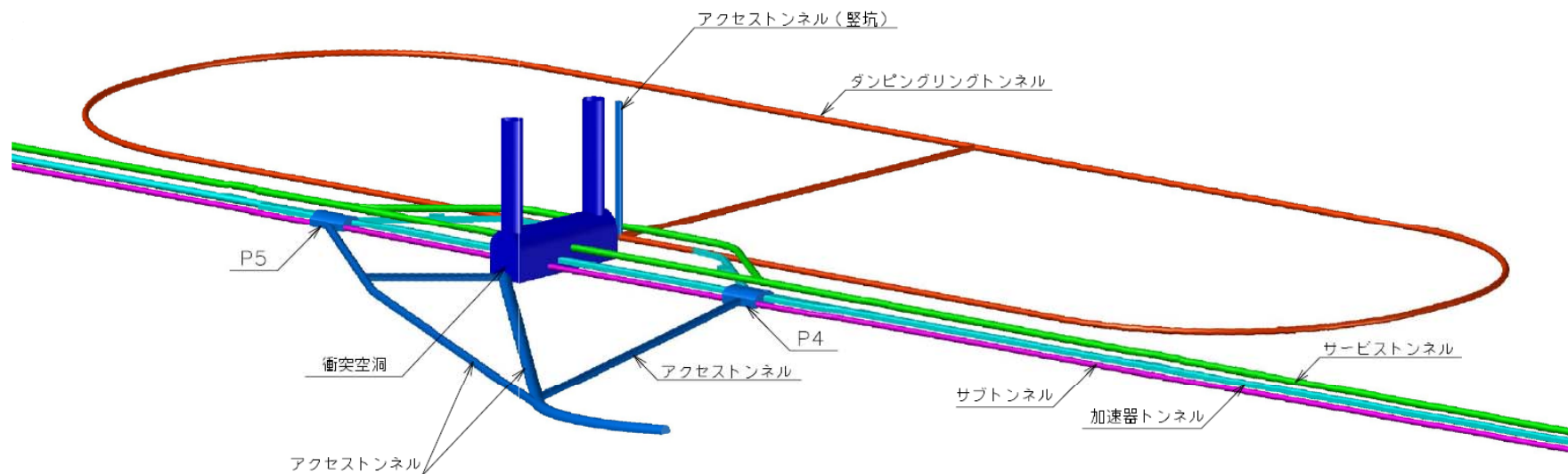


# Detector Hall and Central Area





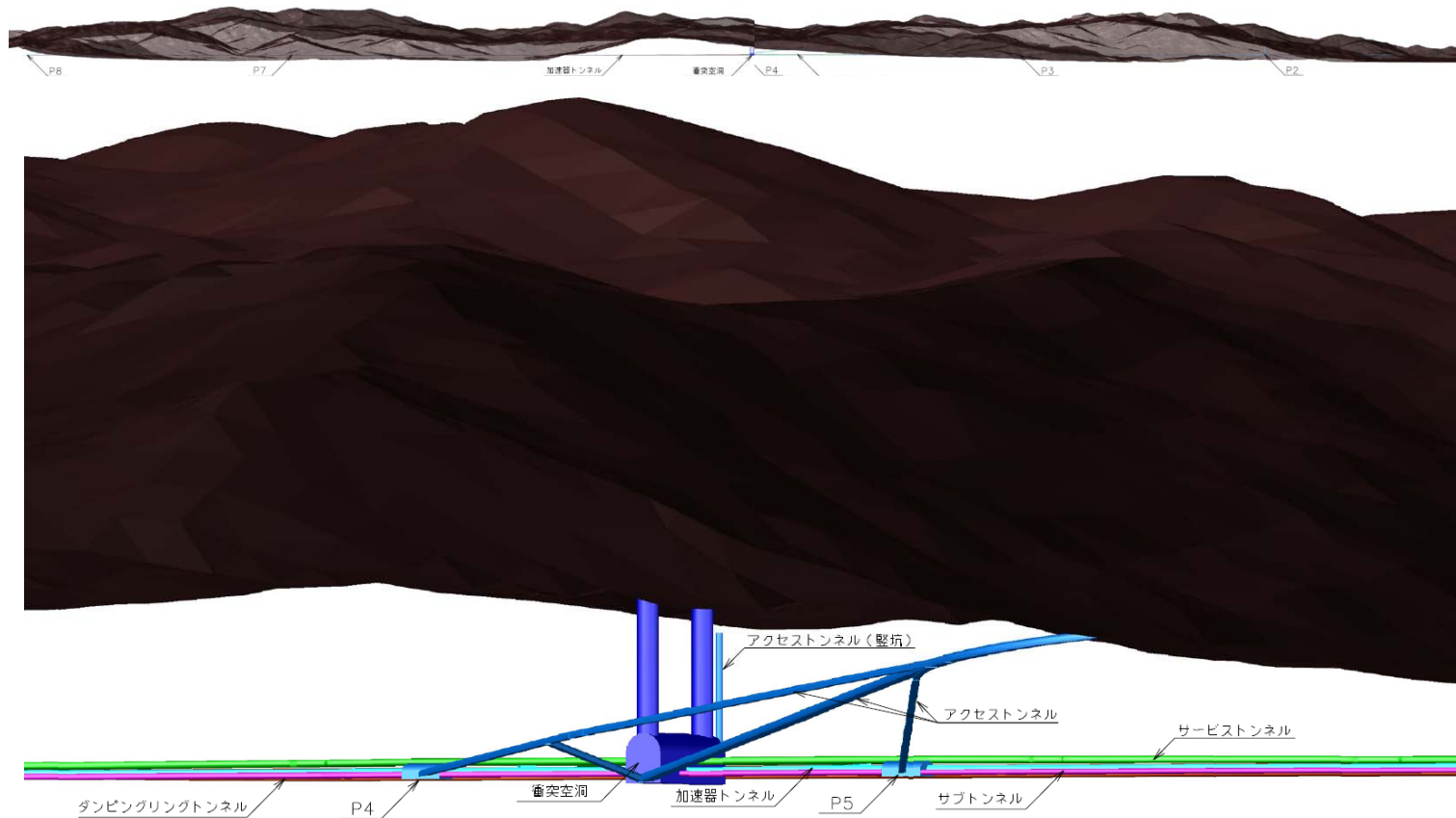
# Detector Hall and Central Area





Global Design Effort - CFS

# Detector Hall and Central Area





# *Summary*



## *Summary*

- (1) To share regional efforts in 3D design activity, file conversion between various CAD software is necessary.
- (2) AutoCAD is most used in Japan and US for Civil design works. Using STEP format 3D-CAD data can be shared among three regions .
- (3) 3D-CAD design for site layout and civil structures started also in Asian region and will be more utilized in TDP2.