

H2V - Holo Help Vision Suite

Improve Safety and Quality thanks to Mixed Reality

Framatome H2V Suite, unique in the nuclear industry optimize NPP maintenance operations time, costs and dose through mixed reality applications.

Challenge

Improving safety and quality while ensuring a better risks management and efficient maintenance operations.

Solution

In collaboration with Holoforge, Framatome has developed 4 mixed reality applications to improve Safety and Quality during maintenance operations.



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| H2V Assist

- Ambient dosimetric 3D mapping,
- Remote expertise,
- Training in simulate dosimetric environment.

| H2V Echo

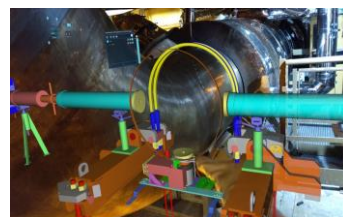
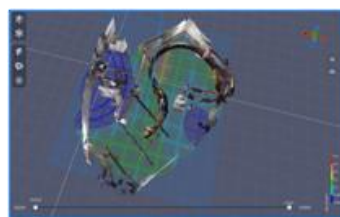
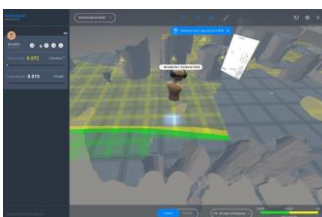
- Post Processing data from H2V Assist,
- Prepare dosimetric data from external source.

| H2V View

- Design site Survey,
- Design Review,
- Training.

| H2V Process

- Step By Step Procedure,
- Training.



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Technical information

- Multiple glasses can be used simultaneously
- Customizable H2V software suite
- 1 Bluetooth dosimeter per HoloLens
- 1 Bluetooth radiameter
- 1 Laptop or Tablet (for H2V Assist)
- 1 Wifi 801.11 AC routeur
- Compliant with ergonomomy requirements
- Compliant with cybersecurity requirements
- IN84 compliant
- Compatible to use with existing PPE
- Compatible with the high-sensitive radiation control system for small objects
- Paperless process

Customer Benefits

- Reduce dosimetry exposure thanks to a precise 3D scan of the radiological environment and dose rate
- Reduce operation time thanks to a better works coordination and faster analyses of site surveys
- Reduce non quality events thanks to a real time assistance and access to holographic working procedure or sketch
- Improve the overall safety and quality of maintenance operations thanks to an easy access to trainings.

Key figures

- **30%** of dosimetry exposure
- **20%** of non quality event
- **10%** of operating time

