

# **SAMSUNG** **Nexplant 3D eXcellence**

## **A collaboration platform facilitates 3D data use on site**

Nexplant 3D eXcellence converts, integrates and visualizes various formats of 3D design data, as well as drives Digital Twin-based manufacturing innovation through combining IoT, production, construction and operation data with 3D data.

### **Exchange**

30+ CAD formats are available for MFG, AEC and other industries. High performance data conversion facilitates easy data sharing and use across multiple devices.

### **Integration**

Support to connect 3D design data with business data (ERP and/or SCM), and combine 3D data with IoT data to build a Digital Twin of the company.

### **Visualization**

Provides rapid visualization with high performance ultra-lightweight streaming even for large data and an environment where VR-AR can be easily utilized.

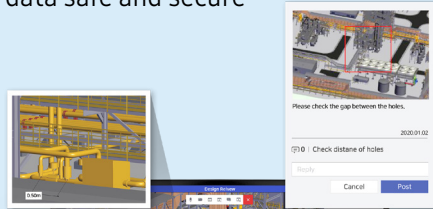
\*MFG : Manufacturing

\*AEC : Architecture, Engineering & Construction

## Use Case – Design Meeting

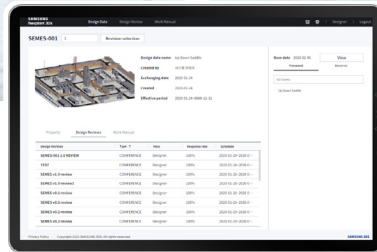
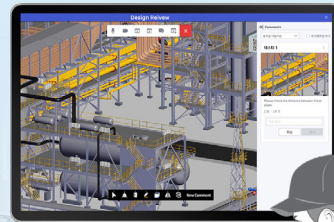
### Remote, multi-party design review

Streaming-based secure collaboration environment enables multi-party web conference for 3D design review while keeping your data safe and secure



### Easy access and use on mobile devices

No need for file downloading or dedicated SW. All you need is a mobile device in your hand. Review and use up-to-date 3D data on the shop floor for your various needs



### Assetization of collaboration history

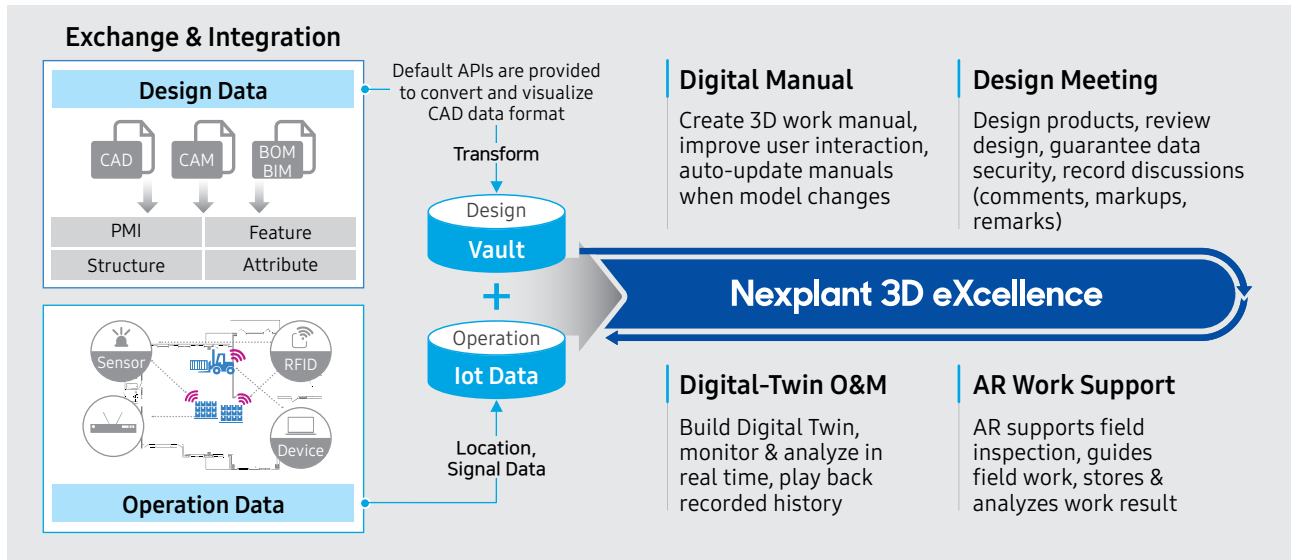
Manage the review history by connecting with 3D CAD data.  
Record snapshot comments & ideas brought up during design discussion.  
Archive them as asset for future use

## Design Meeting Differentiators

- 30+ CAD formats are available for MFG, AEC and other industries.
- Ultra-lightweight streaming quickly visualizes large volumes of 3D data and helps you use the data easily on Web/mobile.

30+ CAD formats	High performance visualization	Track/manage review history
Ultra-lightweight streaming	Multi-party conference	Voice/video/text chats
Markups	Comments	Web/mobile environments

## 3D eXcellence Service Structure



## Benefits

### High data compatibility

Support 30+ CAD formats in MFG/AEC/other industries.

### Interface with legacy system

Easily and freely interface with legacy data and customize your own service.

### Outstanding visualization technology

Visualize ultra-lightweight streaming data without exposing raw data.

### Functional scalability

A diverse range of services are provided on a single platform whose functions are easily scalable.

## Requirements (Recommended Specifications)

<b>Server</b>	CPU	Quad Core or above
	Memory	16GB (minimum)
	Graphics	NVIDIA Geforce GTX/RTX or GRID GPUs
	OS	CentOS 7.x or above

<b>Client</b>	CPU	Intel® Core™ i7 CPU 2.20GHz or above
	Memory	16GB (minimum)
	Graphics	NVIDIA Geforce GTX/RTX or GRID GPUs
	Browser	Chrome

## Contact Us



To learn more about Samsung SDS Nexplant 3D eXcellence, email us at [nexplant3d@samsung.com](mailto:nexplant3d@samsung.com), or visit us online at [www.samsungds.com](http://www.samsungds.com).

With us, gain more insights and information about Nexplant 3D eXcellence.