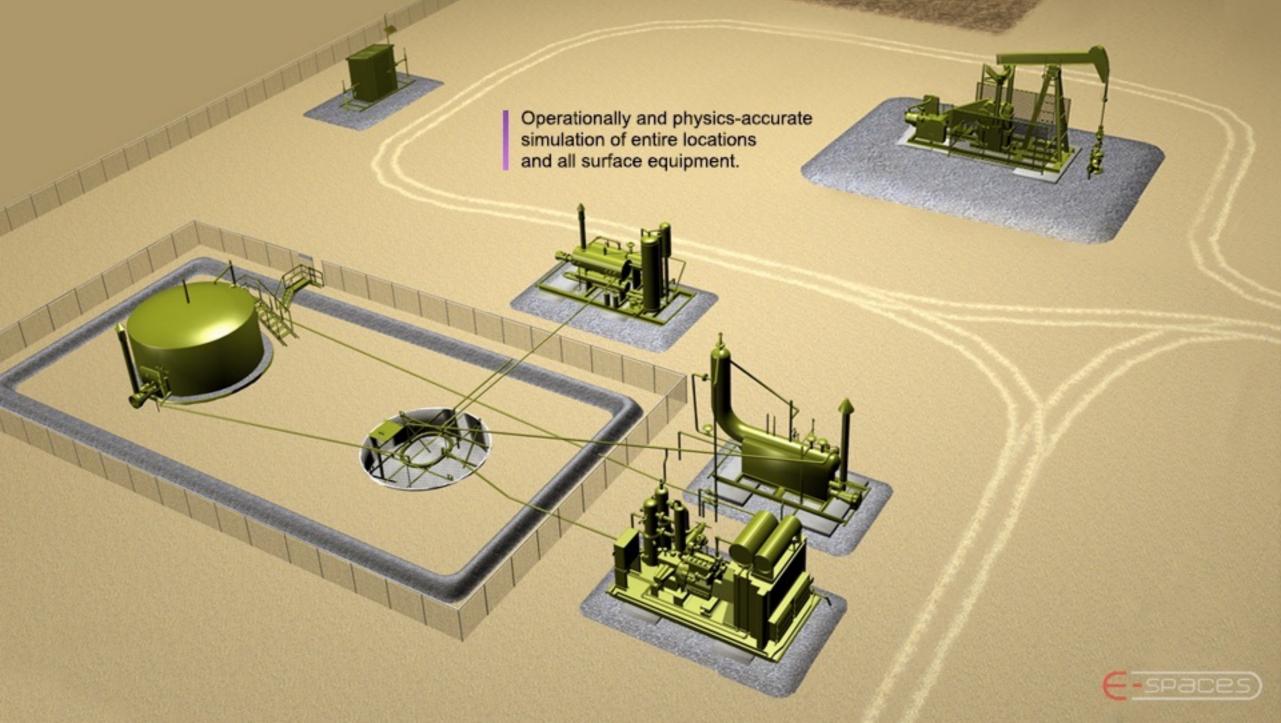
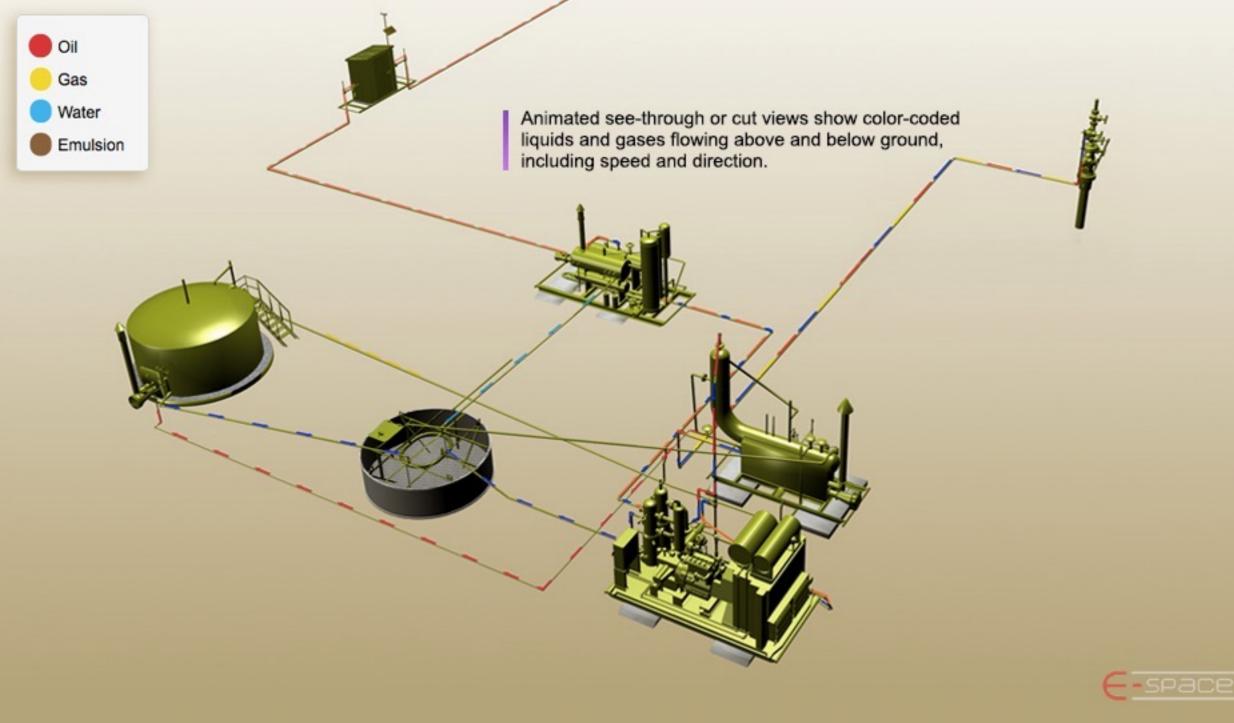
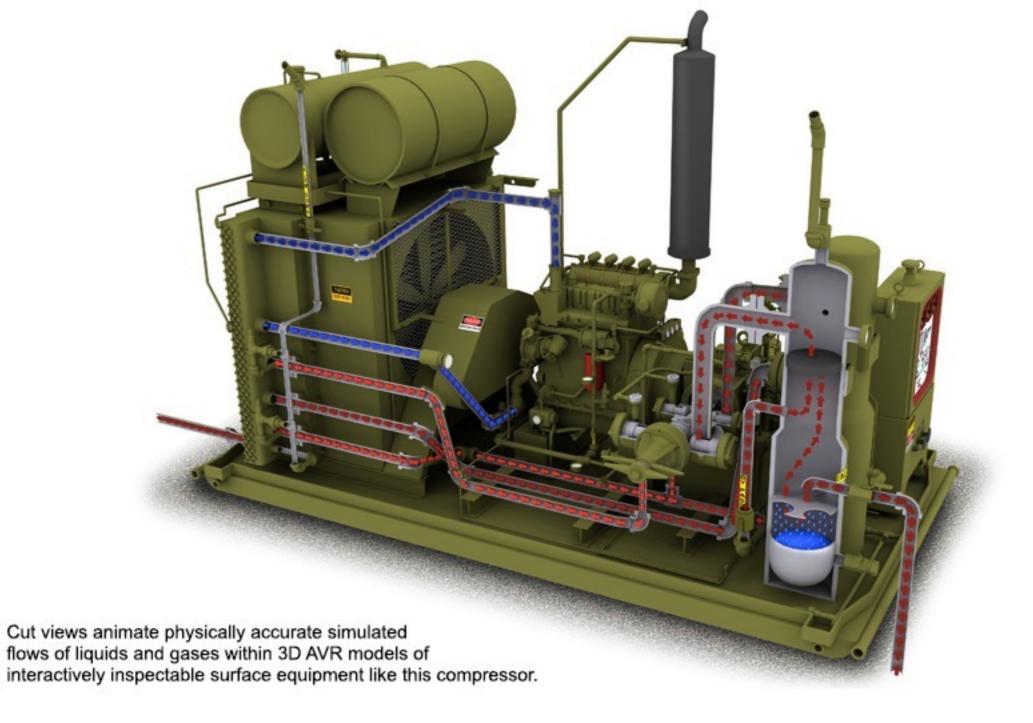
## **AVR Simulators of Oil & Gas Equipment**

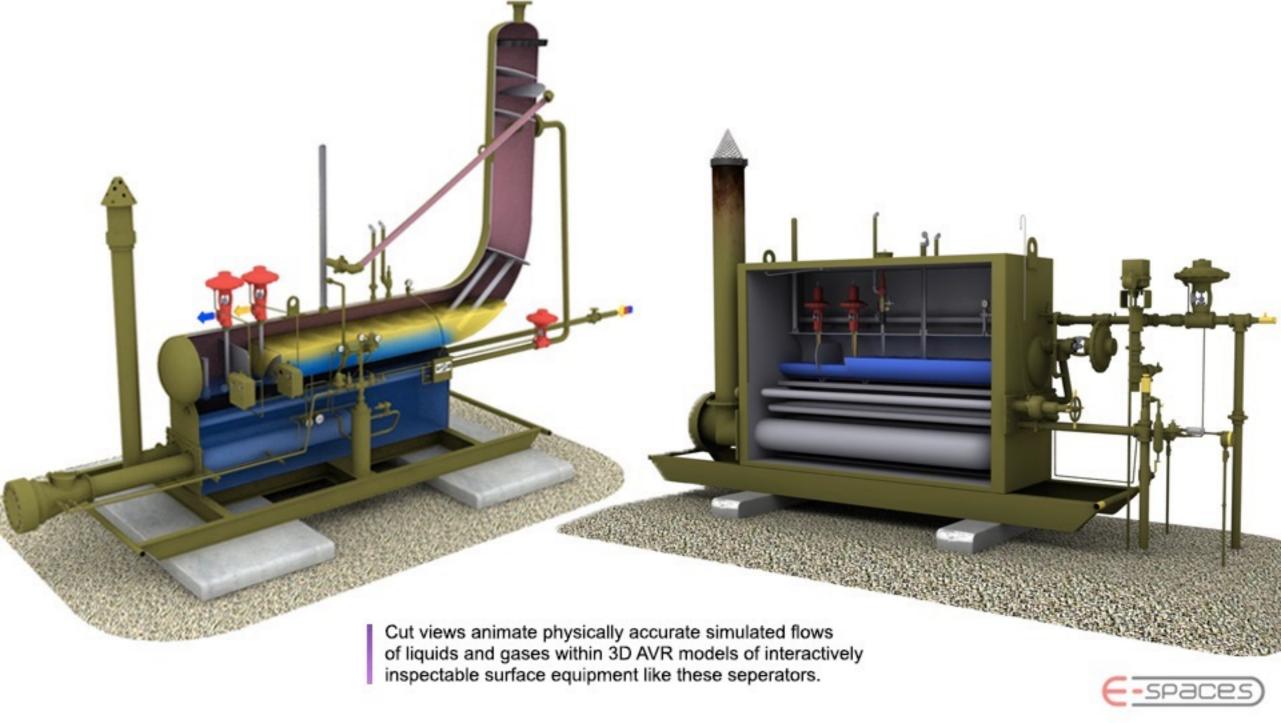


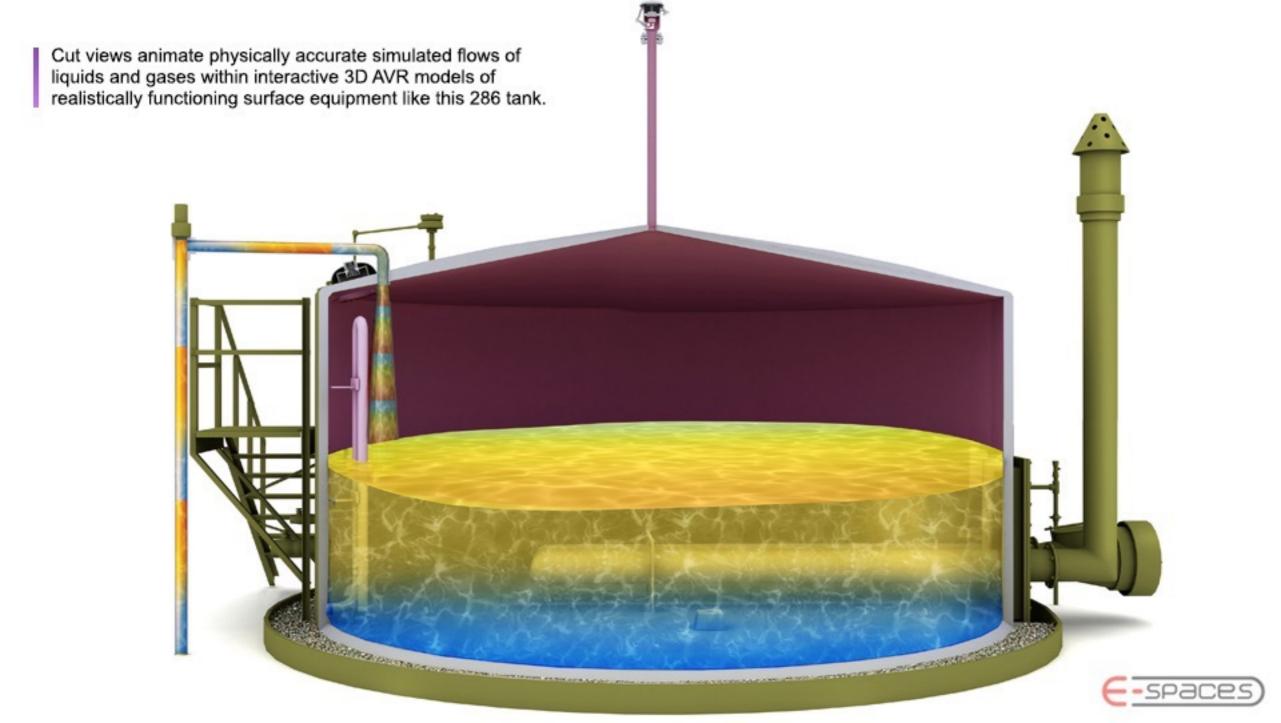






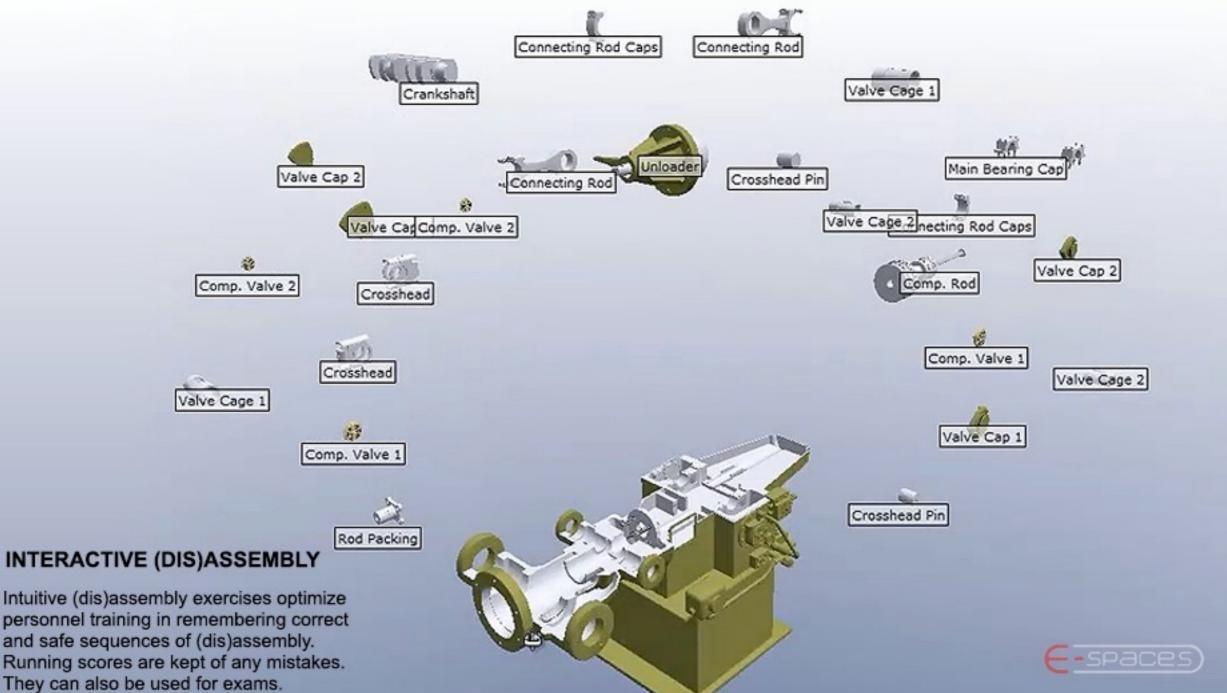


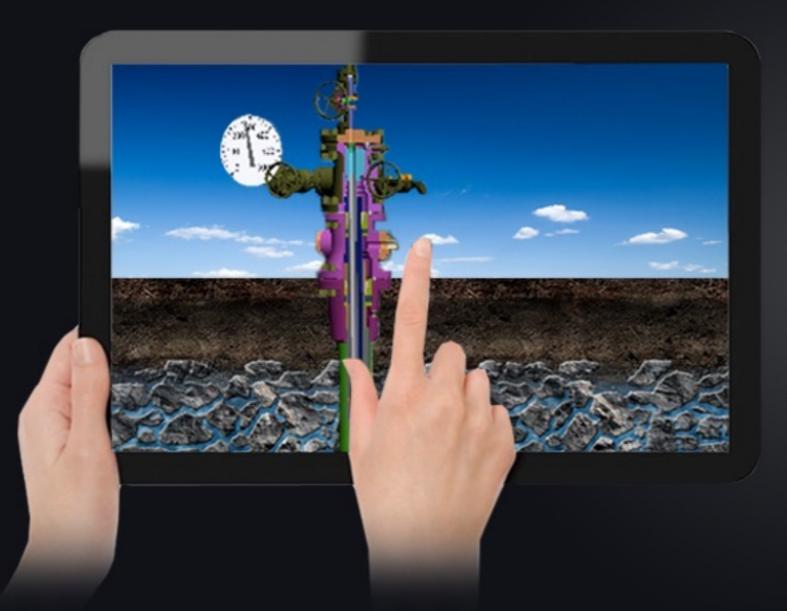












LESSONS

CBT courseware with VCR style controls allow pausing the simulation at will to rotate, zoom and interact with the equipment.

PHYSICS

Built-in formulas show what happens in the system if key parameters change.
Close a valve, see what happens.

**ALL DEVICES** 

Our interactive AVR simulators run in any browser on any device including Windows PCs, Macs, tablets and all smartphones.



## AVR to the rescue: eco-disaster prevention



- 3D model displays live status of entire location
- Sensors monitor real time system performance
- Instant problem detection and operator notification
- Diagnostic sims find optimal solution in minutes
- Mobile AR glasses point to the exact location of the problem
- Significant human error reduction potential
- Systems kept in optimal working conditions 24/7





### Live AVR 'C-Thru' for a 'Mobile Control Room'

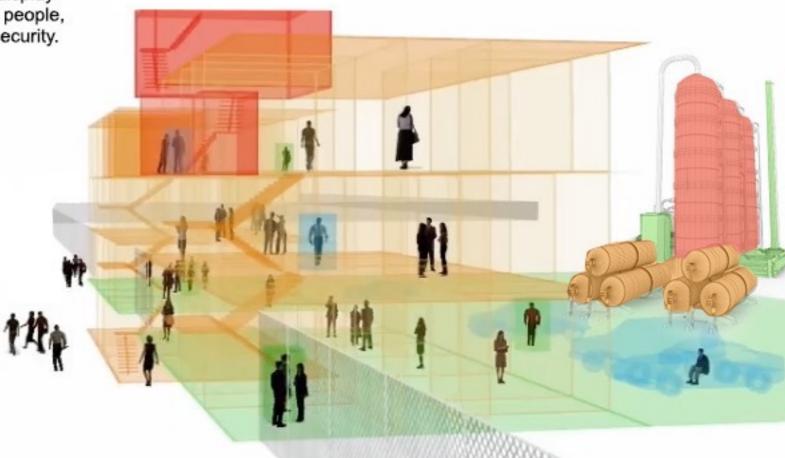
Our state-of-the-art 'total situational awareness' C-THRU system enables real-time tracking and interactive 3D display of process & equipment status and the wherabouts of people, vehicles, tools, resources, etc for optimal safety and security.

Records all movements & changes with ability of 3D playback, trace backward and forward, focused on a person or an object.

Detects pressure drops and other system failures.

Instantly detects intruders, spots theft, cyberattacks (hacking), and sounds situation-appropriate 'smart alarms'.

Provides a mobile AR control room worn on the head in the form of AR smartglasses with real-time tracking & registration of viewer position and orientation.





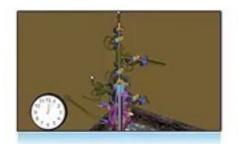




- Award-winning AVR application development house
- World's oldest continuously operated VR studio, since 1993
- Founded by 25+ year VR industry veteran Philippe van Nedervelde



#### Interactive 3D Oil & Gas Equipment Simulators



**Wellhead Christmas Tree** 



Pumping Unit (Lufkin 160)



**Entire Location** 



L-PUD1 Lesson 1 / Lesson 2



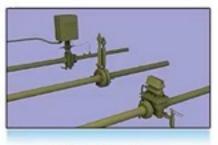
1-Stage Separator



Dehydrator



**286 TANK** 



MR3 Meter Runs



Compression Unit

# IIO Gas Water Emulsion

#### HEATER TREATER 3D SIMULATOR

8	Parts Overview
1	Pressure Transmitter
2	High Level Switch
3	Sight Glasses
4	High Level Switch Drain Valve
5	Pressure Transmitter Drain Valve
6	Back Pressure Valve
7	Water Outlet Dump Valve
8	Oil Outlet Dump Valve
9	Production Inlet Block Valve
10	Gas Outlet Block Valves
11	Back Pressure Valve Gauge
12	Water Leg Weir
13	Pressure Relief Valve
14	Oil Outlet Block Valves
15	Water Outlet Block Valves
16	undefined
Z Le	gend
(E)	Start Up Procedure
(3)	Shut Down Procedure