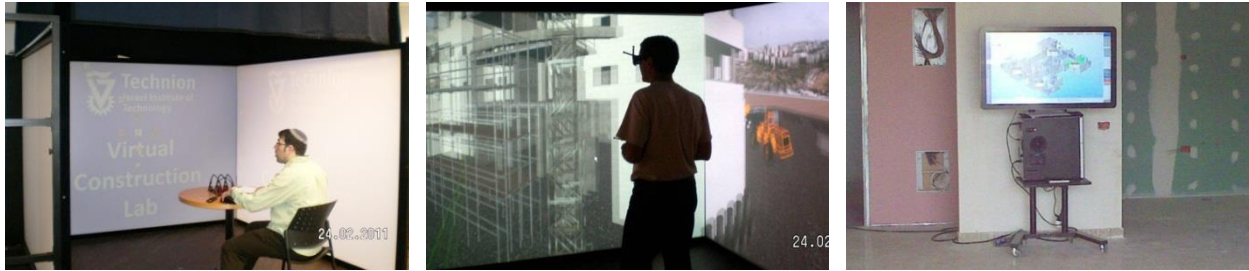# Seskin Virtual Construction Laboratory

The primary foci of the Virtual Construction Laboratory (VC Lab) include Building Information Modeling (BIM), Lean Construction, and the synergies between the two. Its computing and virtual reality infrastructure enable tackling a wide range of topics, not only in Construction Management, but in diverse fields such as Architecture and Town Planning, Transport, Design Collaboration, and others.

The specific equipment in this lab includes:

- A CAVE (CAVE Automated Virtual Environment): the EON Mobile Icube, a reconfigurable 3-wall PC workstation based immersive environment in which participants are completely surrounded by virtual imagery and a sound system. The system has a DLP Active Stereo Projection System, 3D Stereo Rear Projection Screens, a Floor Mounted Screen Structure, EON Professional Software (EON Studio, Visual Effects, RPC, EON CAD, Raptor and Physics Engine as well as EON Server), a Natural-point Eight Camera Wide Field of View Infrared Wireless Motion Tracking System, and active stereo glasses.
- KanBIM™ mobile touch screen workstation: Includes a mounted PC workstation (Intel i7 950 6GB RAM DDR III NVidia GTX 460) and a 42" touch screen monitor (Elo Touch Systems 42" Model ET4200L-AUWA).
- Dual-screen BIM workstations: Five stations with a variety of BIM software tools.