



VRcollab is a Singaporean software start-up first incorporated in December 2016 that is invested by **SGinnovate**, **Entrepreneur First** and HTC VIVE.

VRcollab's notable clients and collaborators include Sembcorp A&E, BCA, Surbana Jurong, HDB, NUS, Beca, Greatearth and many others.



VRCollab lets architects 'walk' in their buildings before they are even built





#### S'pore, Latin-American and Caribbean businesses in tie-ups

resence across the region, which is double the 200 Singapore companies with 400 points of sumber of companies from 2015. The LABF and presence across the LAC region, FLS FHOTO ssociated activities are a very important part of this effort, and we think it's an important plat-derstanding to explore a 'single window sys-

as the years progress." of digital buyers in the region has grown from such project in Bahamas late last year. 7 million in 2014 to 131 million this year, so Another Singapore company, VR Collab. a ness governments in major LAC markets ngapore is secring investment opportunities start up with capabilities in advanced virtual present opportunities for Singapore busi-

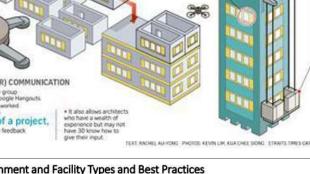


oem that can grow in stature and effectiveness tem" to facilitate customs clearance for trade. E-commerce is throving in LAC; the number this follows CrimsonLogic's begging of another deeper trade and business with Latin America.

yond traditional sectors of commodities, oil reality for real estate, infrastructure and comstruction development, has teamed up with ment, we expect LAC to look increasingly to On Friday, Crimsonlogic and the govern- Brazilian firm Construtivo, an engineering tech- wards Asia to diversify investments and tap its nent of Suriname signed a Memorandum of Un nology company focusing on engineering and growth,"

in Mesoco: Ascott, CapitaLand's serviced resi ence operator, announced its entry into LAC through two franchises in Brazil.

G Jayakrishisan, group director for Emerging Europe, Latin America & the Caribbean in I Singapore, said: There is much potential for and the Caribbean. The stability and pro-busi-





# CORE TECHNOLOGY

VRcollab's mission is to redefine collaboration and design coordination in the *Architecture*, *Engineering and Construction (AEC)* Industry.

- +Automated One Click Conversion, From BIM to VR.
- +Quick and Accurate,
  4 GB BIM model in 7 Minutes.
- +Optimized for Large Models,
  Tested on 7 GB BIM Model.

\*Patent Process Pending







# BIM VR WORKFLOW

2a. VRcollab LITE

2b.

VRcollab

**STUDIO** 



2) Automatically Convert Design in VRcollab

Interoperable



1) Design Building in BIM Software









Information Loop for next meeting

3) Multi User VR Coordination Meeting

4) Generate Coordination Report





# KEY BENEFITS

## +Depth & Perspective Information

Such information is often loss when viewed on a 2D screen

# +Faster Design Approvals

In both external client presentation and internal coordination

# +Intuitive Manipulation of BIM,

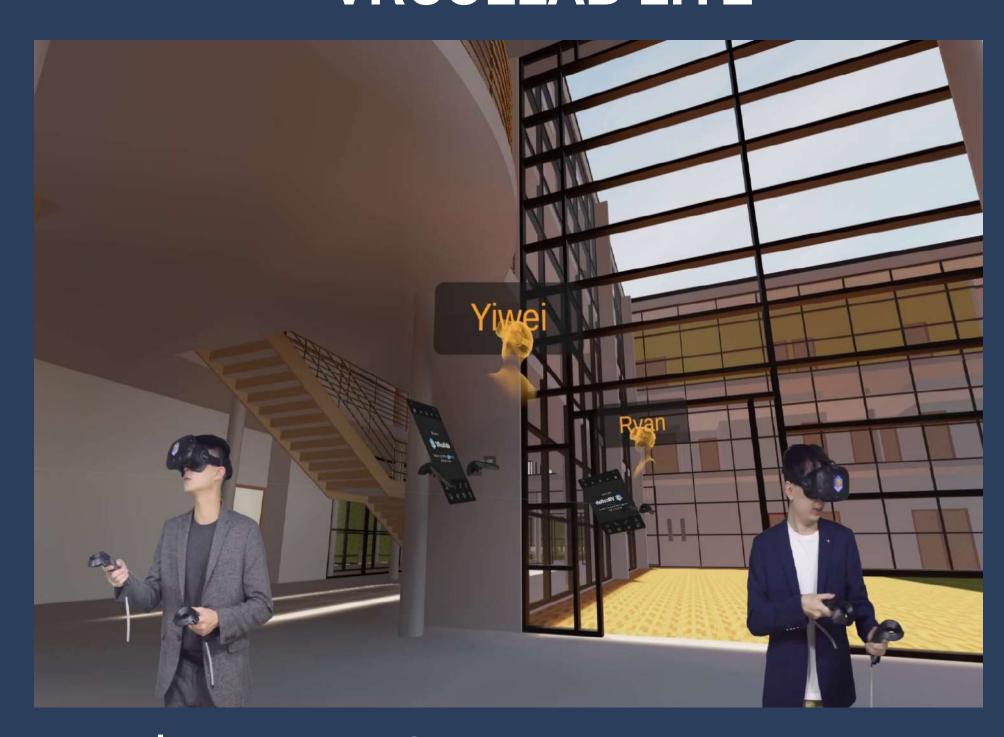
No time wastage due to BIM software that was not created for coordination

## +Less Design Errors,

Errors in design flare up in VR allowing for quicker and more pinpoint mitigation



## VRCOLLAB LITE



Meeting Room Setup, Cross Office Design Coordination

## VRCOLLAB STUDIO 2.0



VR CAVE System,
Presentation to large
groups of stakeholders

### **VRCOLLAB LITE**



SGD \$3000 per Annual License

One concurrent VR user per License

## +VR headgear used to view design

Allowing all stakeholders to view and coordinate in VR

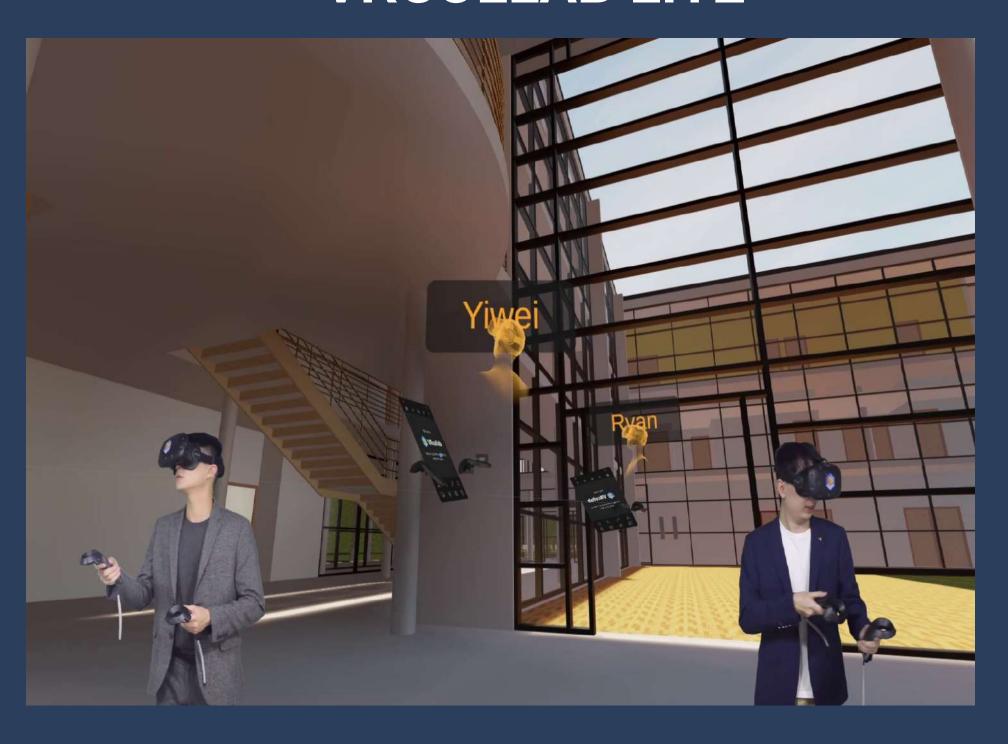
## +Navigate in as-build design

"Walk around" building before even the first brick is laid

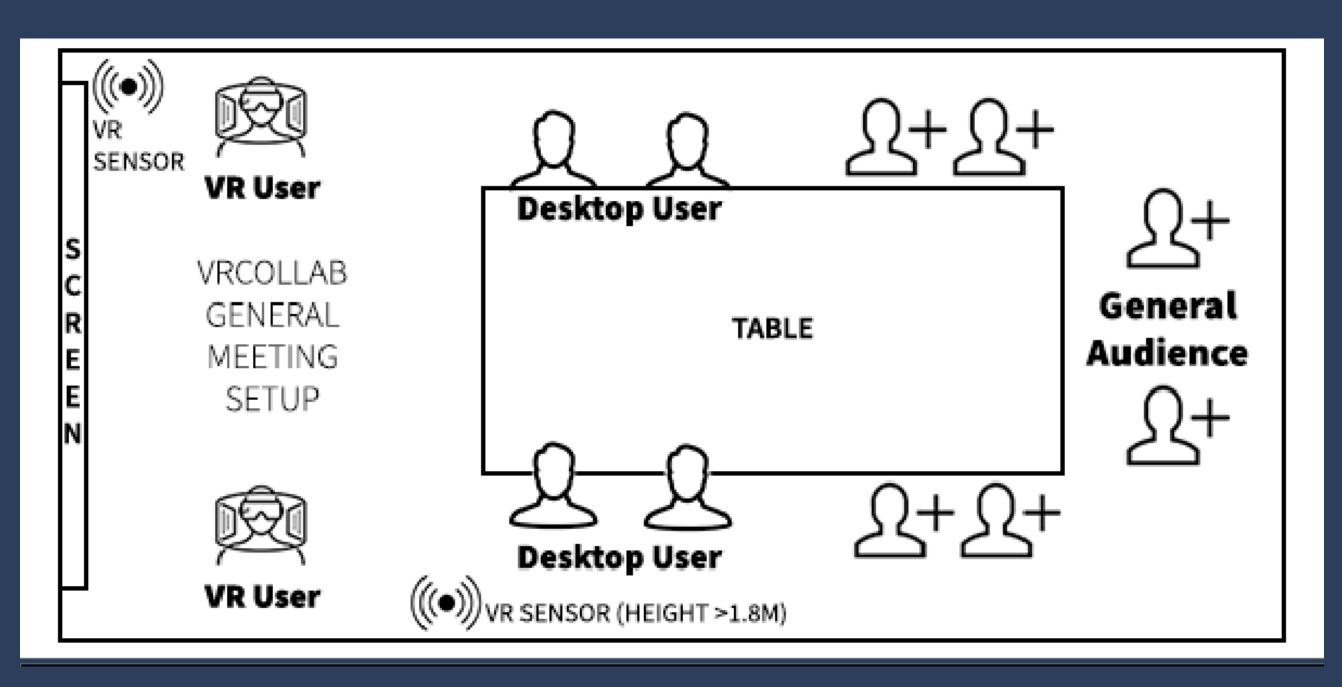
### +Cross-office multi-user VR

Allows for cross office virtual coordination over the internet, up to 8 concurrent users

## **VRCOLLAB LITE**



+Ideal for meeting rooms and on-site

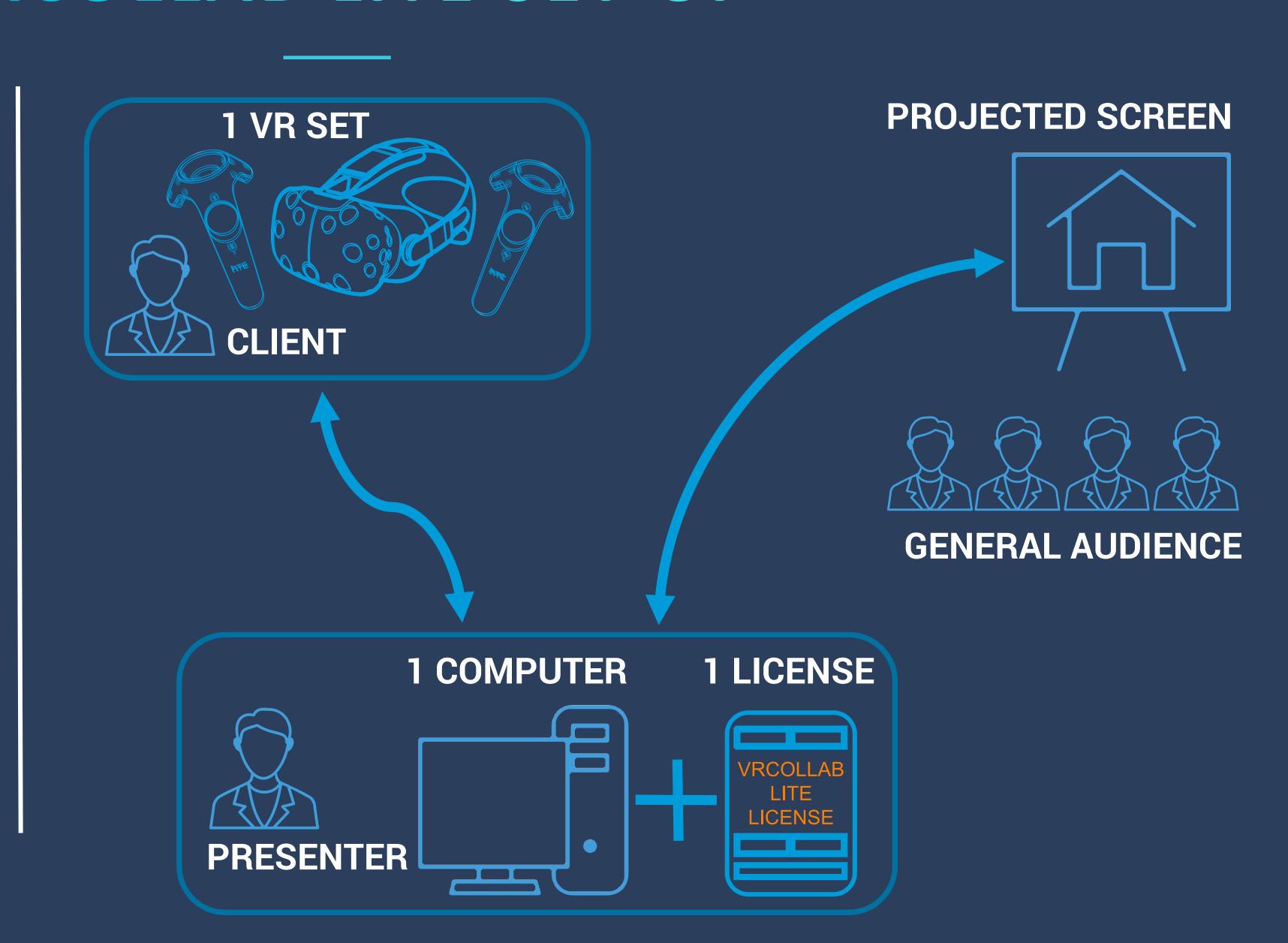


1 VR User = 1 Computer + 1 VRcollab Lite License + 1 VR Headgear

# VRCOLLAB LITE SET-UP

### **Requirements:**

- 1. STAKEHOLDERS (1 in VR)
  - Client
  - Consultant
- 2. VR HARDWARE (1 SET)
  - Commercially available
- 3. COMPUTER (1 SET)
  - Laptop Mobility
  - Desktop Fixed Setting
- 4. SOFTWARE (1 LICENSE)
  - VRcollab License



### +General Audience uses 3D Glasses

Stereoscopic projections allow for immersive and non-isolated viewing

## +Impressive viewing for larger group

Allowing for group viewings of up to 10+ people, with one VR pilot using Lite License

## +Customizable to specific requirements

Number of projected sides, Floor area, Number of pax, Varying use-cases

### **VRCOLLAB STUDIO 2.0**



**Contact us** 

Enquire at info@vrcollab.com



Video of Stakeholders viewing new project and immediately mitigating issues

## VRCOLLAB STUDIO 2.0



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# VRCOLLAB STUDIO SET-UP

### **Explanation:**

#### 1. STAKEHOLDERS (AUDIENCE)

- Stands in CAVE AREA,
- View BIM model through 3D glasses -15 persons

#### 2. CONSULTANTS (PRESENTER)

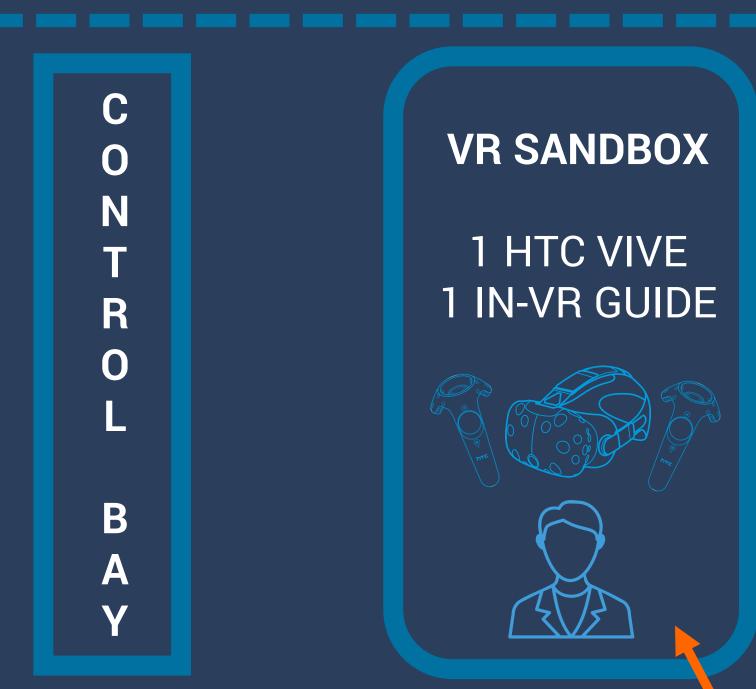
- Guides from VR SANDBOX
- Uses VR Gear

### 3. CONTROL BAY (COMPUTERS)

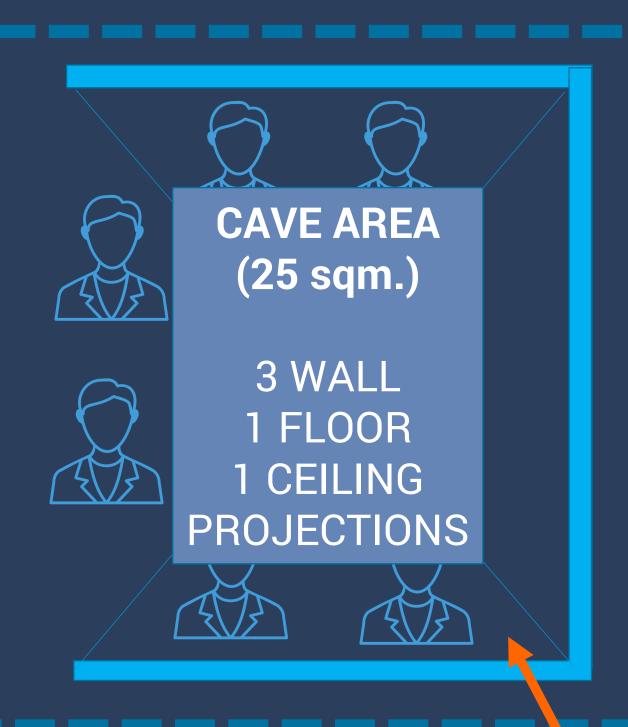
 VR Ready Desktops and Projector Controls

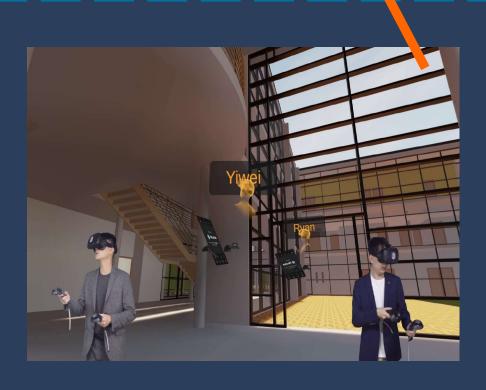
#### 4. SOFTWARE (1 LICENSE)

• VRcollab STUDIO License











# CONTACT US



Do not hesitate to drop us a message where we can further discuss how we may value add to your workflow.

Jiahen, CEO & Founder:

+65 9814 4461, jiahen@vrcollab.com

Ryan Liew, Business Development:

+65 9100 8417, ryan@vrcollab.com

Also, visit us at <u>vrcollab.com</u> for more info!