HOLOCARE

Innovative platform for medical consultation and diagnosis based on AR/VR/Mixed-Reality and machine-learning

By: Alex Nguyen – Innoviz CEO
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INTRODUCTION TO INNOVIZ CO. LTD

OUR COMPANY PURPOSE

- Our purpose is to become the leading company in 3D/VR/AR business in Taiwan

- Our product brand:

3D PERSPECTIVE

Architectural 3D renders for real estate developers

innoviz®

VIRTUAL REALITY

Samsung Gear VR – Space experience

SMART 360 MOBILE APPS

REAL360 – 3D SCANNING
E-commerce with VR

http://holomia.com/Gallery/showcase_jysk_100_lo_duc.html
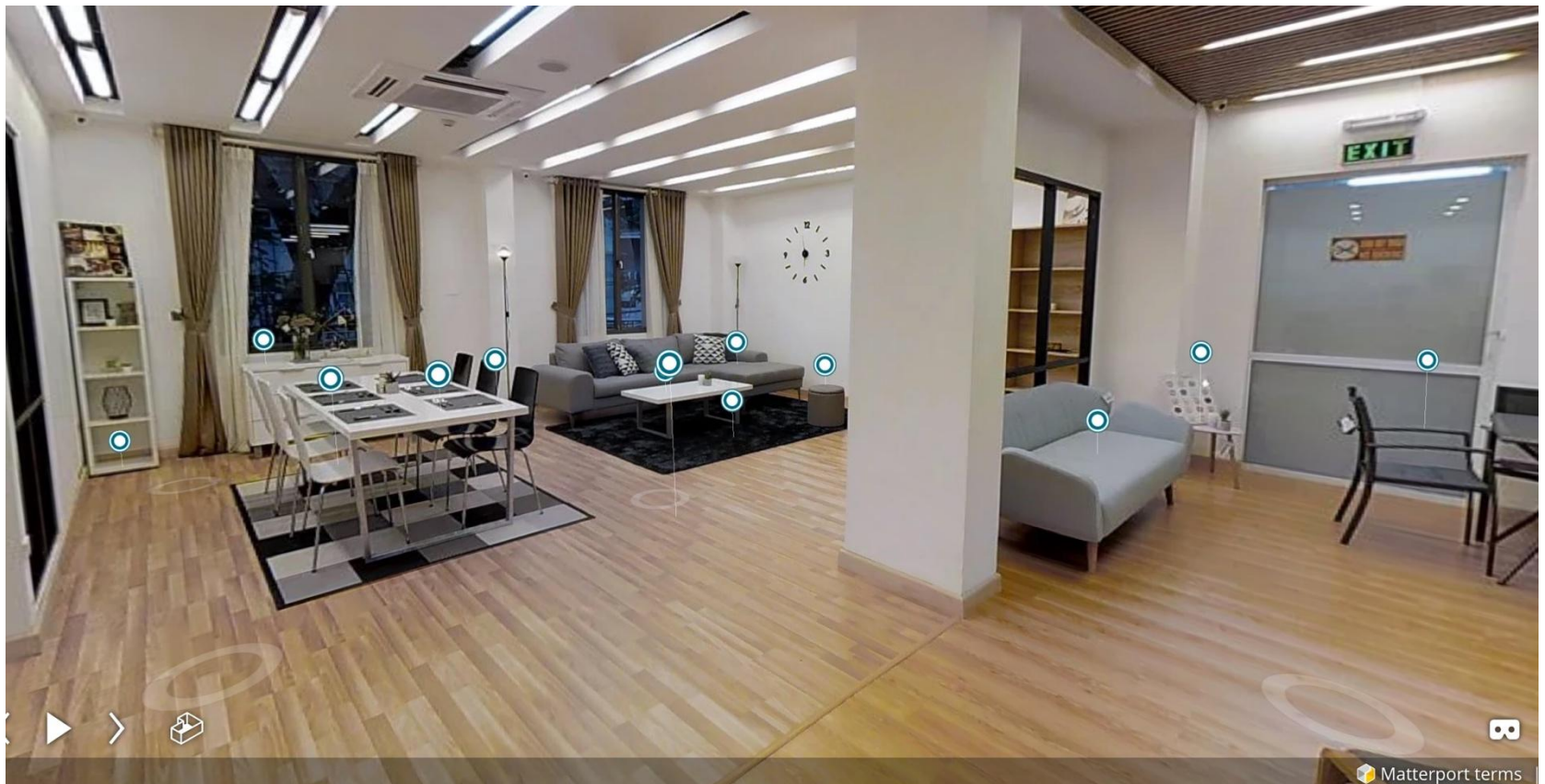
MARKET FOR 3D/AR/VR PRODUCTS

- The virtual and augmented reality market is one of the fastest growing market, will reach $150-162 billion (> mobile market) by 2020 (*BusinessInsider.com, Techcrunch.com*)

Augmented/Virtual Reality Revenue Forecast ($B)

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Legend: ■ Augmented Reality ■ Virtual Reality
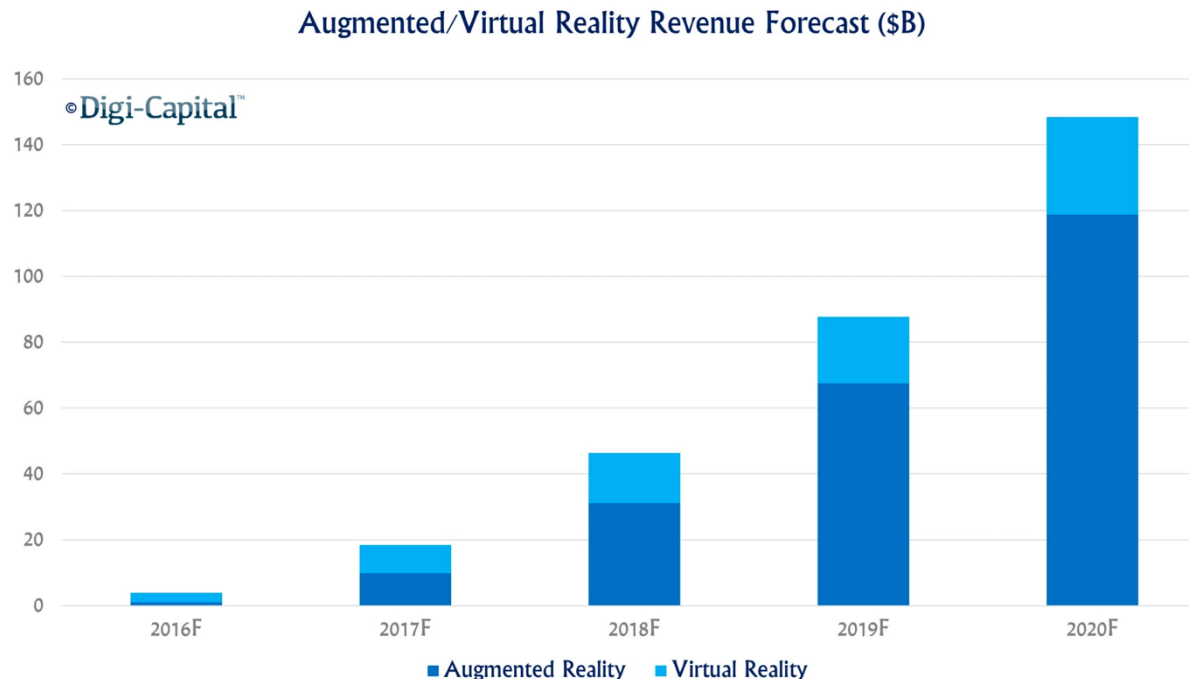
MARKET FOR 3D/AR/VR PRODUCTS

Timeline for business opportunities arising from VR/AR

2016

Focus on Gaming (VR)
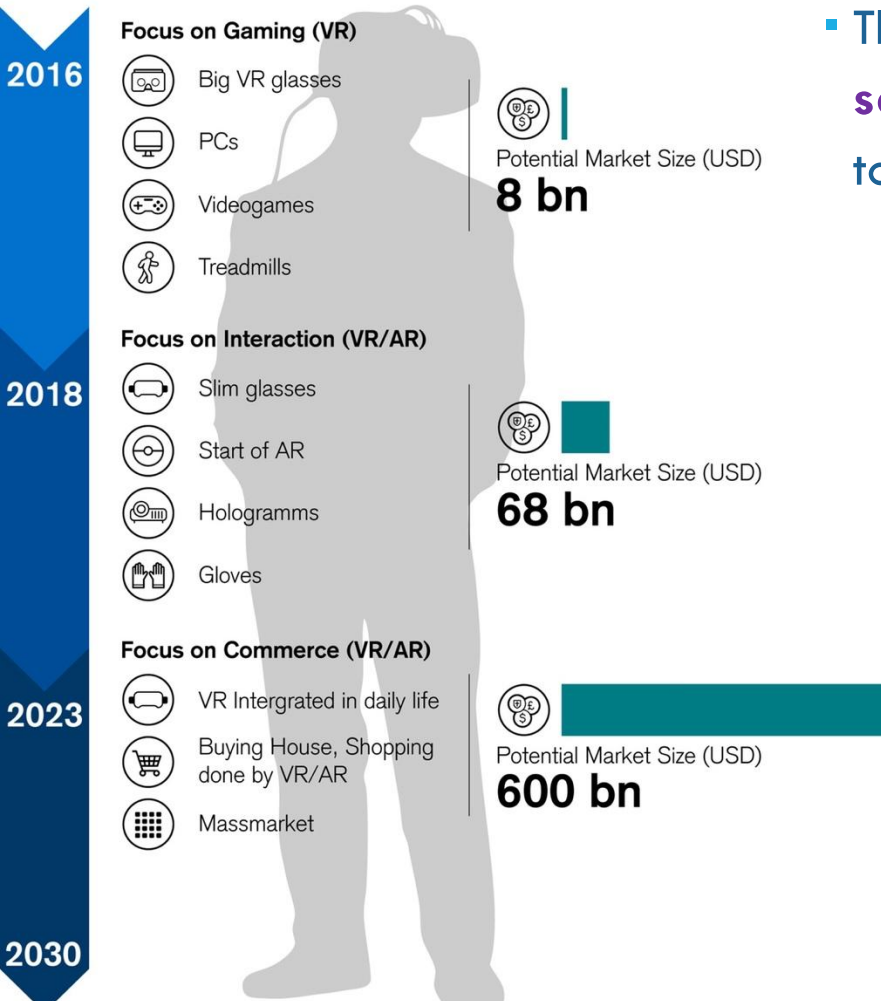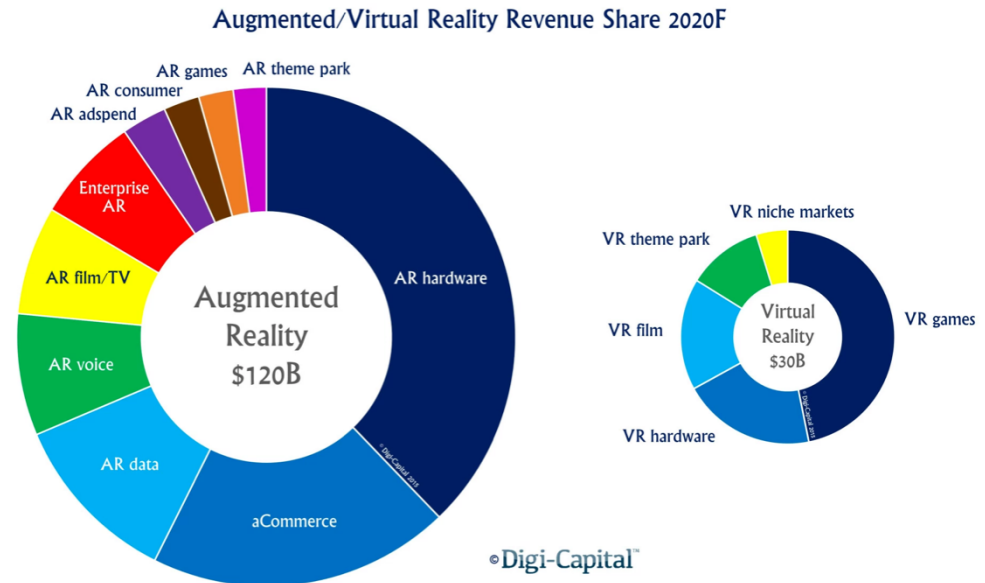- Big VR glasses
- PCs
- Videogames
- Treadmills

Potential Market Size (USD)
8 bn

2018

Focus on Interaction (VR/AR)
- Slim glasses
- Start of AR
- Hologramms
- Gloves

Potential Market Size (USD)
68 bn

2023

Focus on Commerce (VR/AR)
- VR Intergrated in daily life
- Buying House, Shopping done by VR/AR
- Massmarket

Potential Market Size (USD)
600 bn

2030

- The market is shifting from **hardware** to **software & services**, from VR-AR video games to **VR-AR integrated** in daily life.

Augmented/Virtual Reality Revenue Share 2020F

AR games · AR theme park · AR consumer · AR adspend · Enterprise AR · AR film/TV · AR voice · AR data · aCommerce · AR hardware

Augmented Reality $120B

VR niche markets · VR theme park · VR film · VR hardware · VR games

Virtual Reality $30B

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PRODUCT CONCEPT

- Our team has been making 3D/AR/VR and mix-reality contents for various purposes: real-estate, business marketing etc.

We think that AR/VR can go further than just business & marketing…

INTRODUCTION TO HOLOCARE

An innovative platform for medical consultation and diagnosis based on AR/VR/Mixed-Reality

PRODUCT CONCEPT

- We team-worked with doctors from neurosurgery department, Saint-Paul hospital in Hanoi to help them in some difficult tasks: holding a consultation, diagnosing and choosing the best solution for the surgical treatment.

PRODUCT CONCEPT

- Conventional consultation and diagnosis:

    - Usually based on 2-D X-ray radiograph.

    - Requires the attendances of many doctors at the same location.

    - Not convenient to share knowledges and experiences

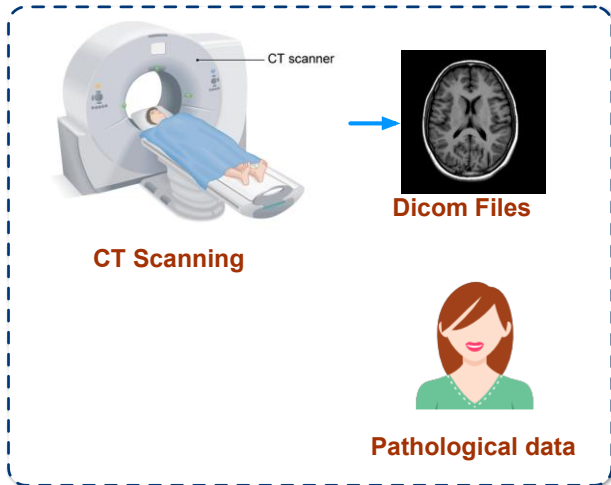*Conventional consultation using 2D X-ray radiograph*

I feel like stepping into another world

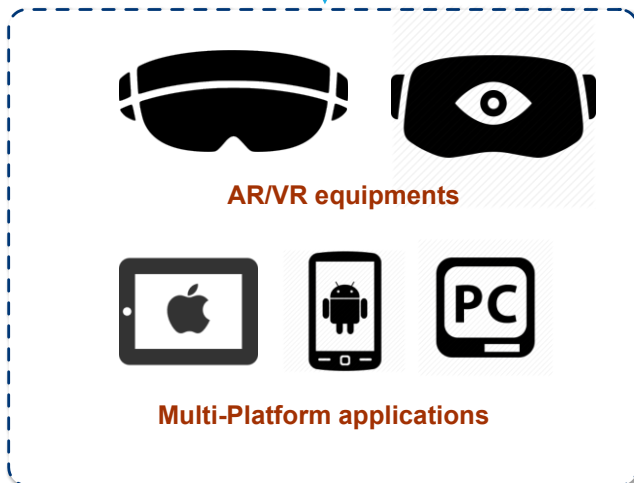Converting a Dicom scan from CT scanning machine to use with AR/VR glasses
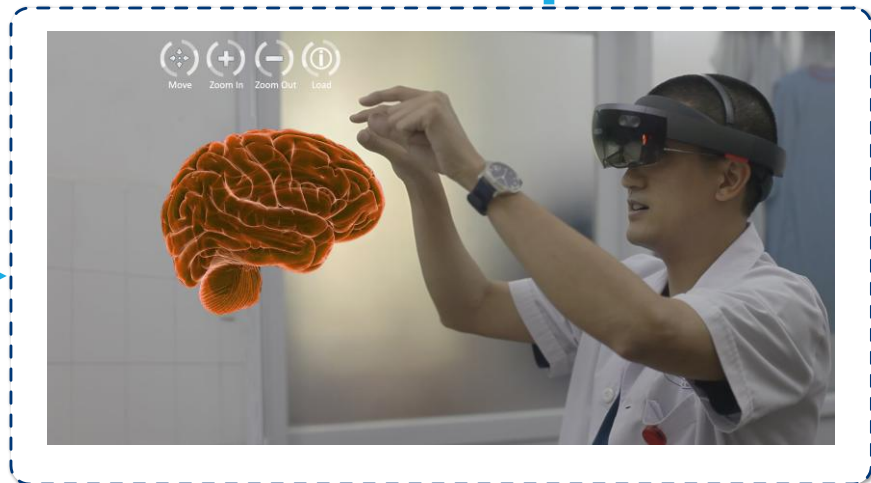
BUSINESS MODEL

HOSPITALS

Dicom Files

CT Scanning

Pathological data

HOLOCARE CLOUD PLATFORM

Cloud server

3D scanning model

Pathological database
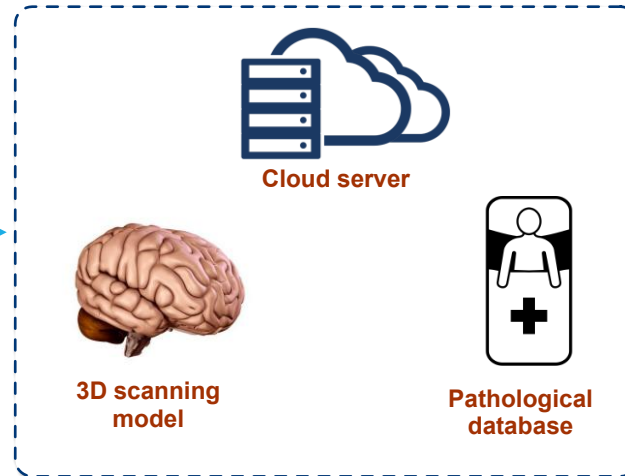
Doctor's feedback

HOLOCARE SOLUTION

AR/VR equipments

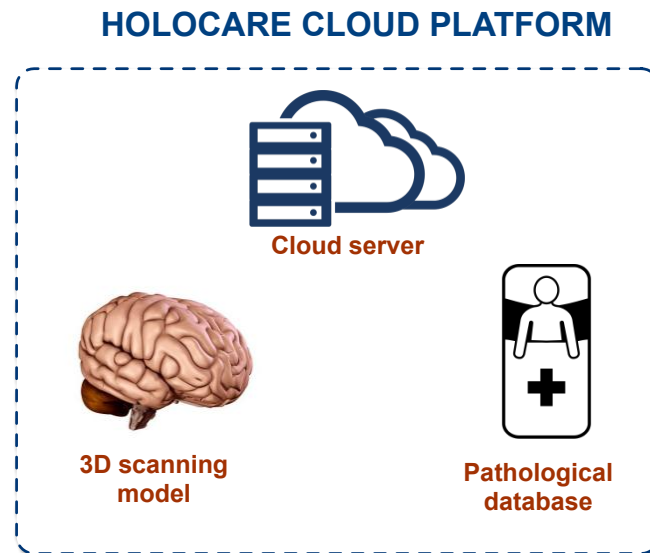**Multi-Platform applications**

DOCTOR'S CONSULTATION AND DIAGNOSIS

BUSINESS MODEL

Google collects user's data to improve their services.

Holocare uses patient's pathological data to create a global database.

HOLOCARE CLOUD PLATFORM

Cloud server

3D scanning model
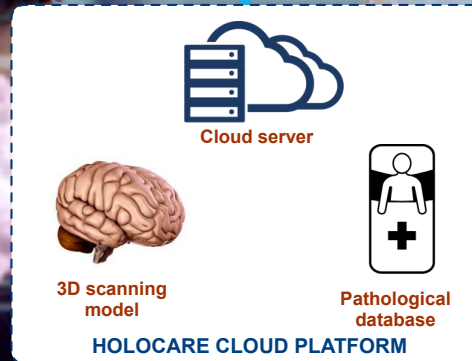
Pathological database

Using machine-learning, the platform can help improve diagnosis accuracy and help share knowledges across the globe.

HOLOCARE MARKET

Knowledge sharing

Distanced-consultation

HOLOCARE CLOUD PLATFORM

Cloud server

3D scanning model

Pathological database

Medical education

Visual-assisted surgery training

OUR PLATFORM CAN HELP SIGNICANTLY
IMPROVE HEALTHCARE SERVICES AND
CONTRIBUTE TO OUR SOCIETY

OUR TEAM

One team one dream

Tuan Dinh, Chris
Co-founder
Business strategy,
Research and
Development

Alex Nguyen
CEO PhD student,
National Taiwan University
Business and marketing

Vincent 陳梓凡
2 years experiences in
VR business
development.

Duy Bui
AI specialist
Programming

THANK YOU FOR YOUR ATTENTIONS!