

# TECHHEIM & “NubeX” Cloud based PACS Solution

TECHHEIM





# Introduction

**TECHHEIM**  
Home of Technology

**Establish**

**December 2<sup>nd</sup> , 2000**

**BIZ Cat.**

- **PACS**
- **Teleradiology**
- **AI Solution.**

**Customer**

**2,500 Hospitals & Clinics**

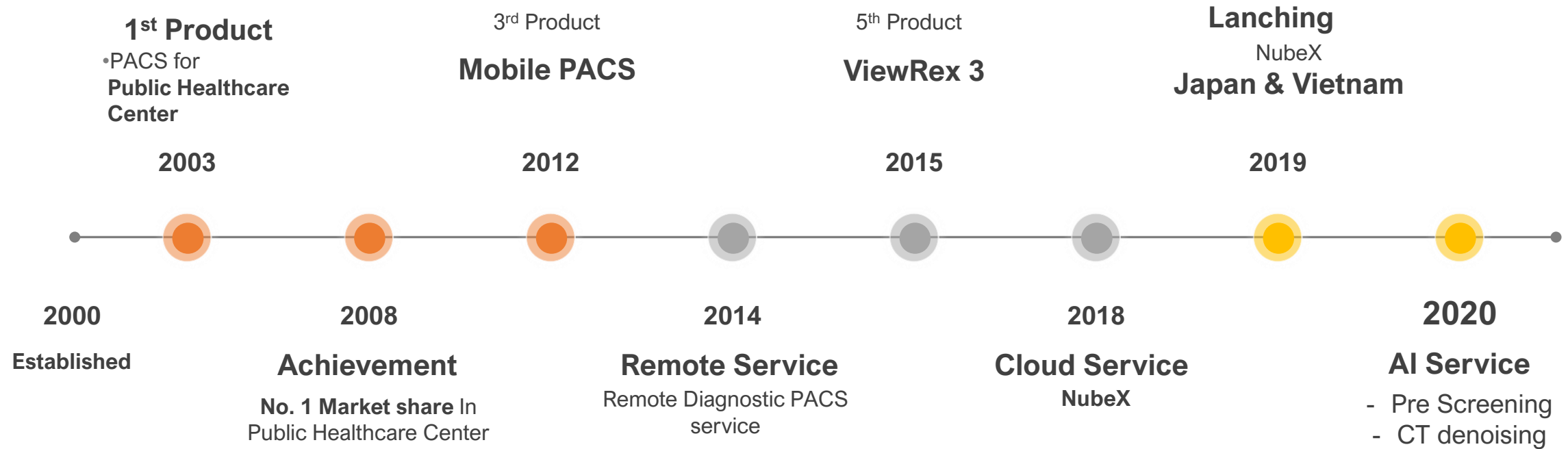


**CEO**  
**Lee Weon Yong**  
**30 years Exp.**



**CTO**  
**Park Woo Chil**  
**30 years Exp.**

# Focusing on What Customer want



## ■ 2,500 Hospital and Clinic Customers



## ■ World Class Partner





# Products

**TECHHEIM**  
Home of Technology

# Before we get Started - What is PACS?

**“Picture Archiving and Communication System”**

**Diagnose - Transmit – Workflow – Archive**

**Xray's, MRIs, CT Scans...**



Film Env.



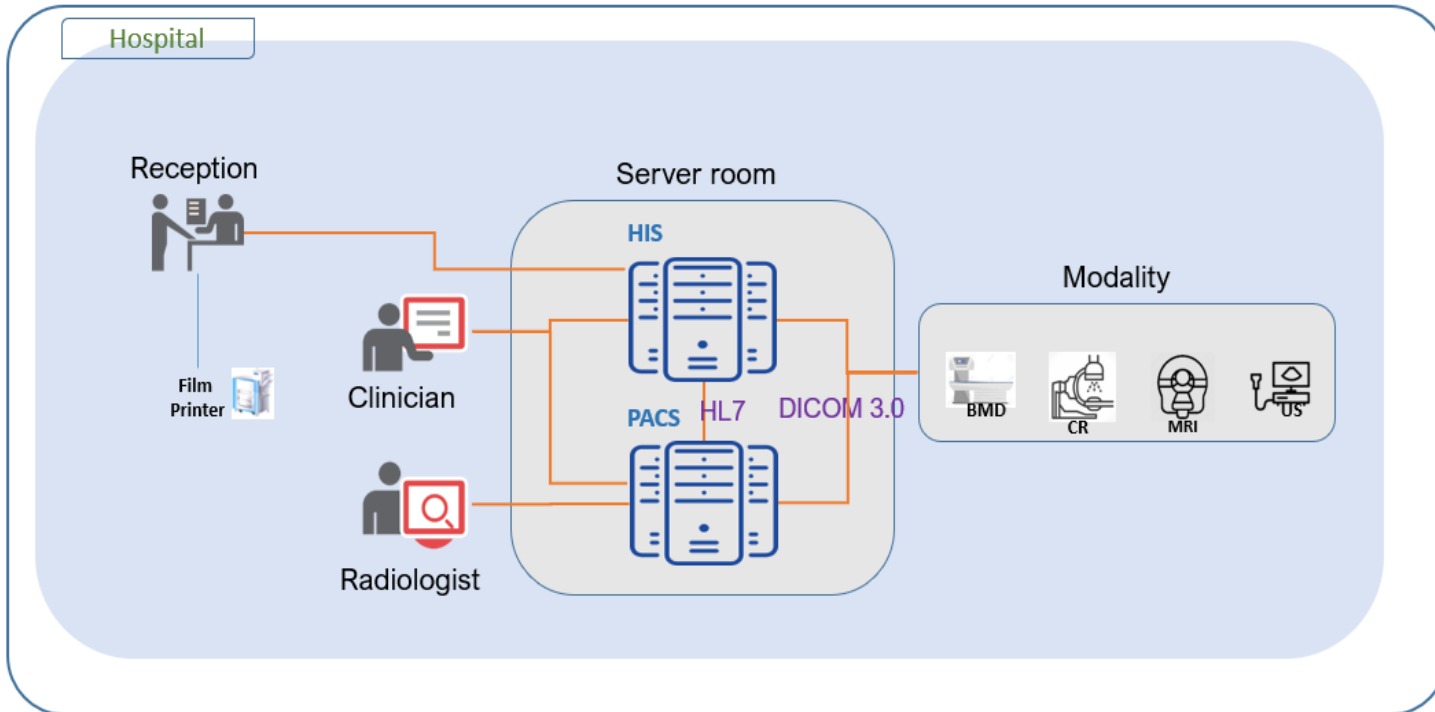
PACS Env.

# Key Benefits of most PACS

1. Reduced Cost of Expensive Film
2. Results Delivered with Low Latency
3. Improved Radiologist Productivity
4. Improved Quality of Care
5. Overall optimization of Imaging processes



## *Replace Antiquated On-Premise Solutions*



Large Initial Investment

Expensive to Operate

Difficult to Maintain

# NubeX Cloud PACS

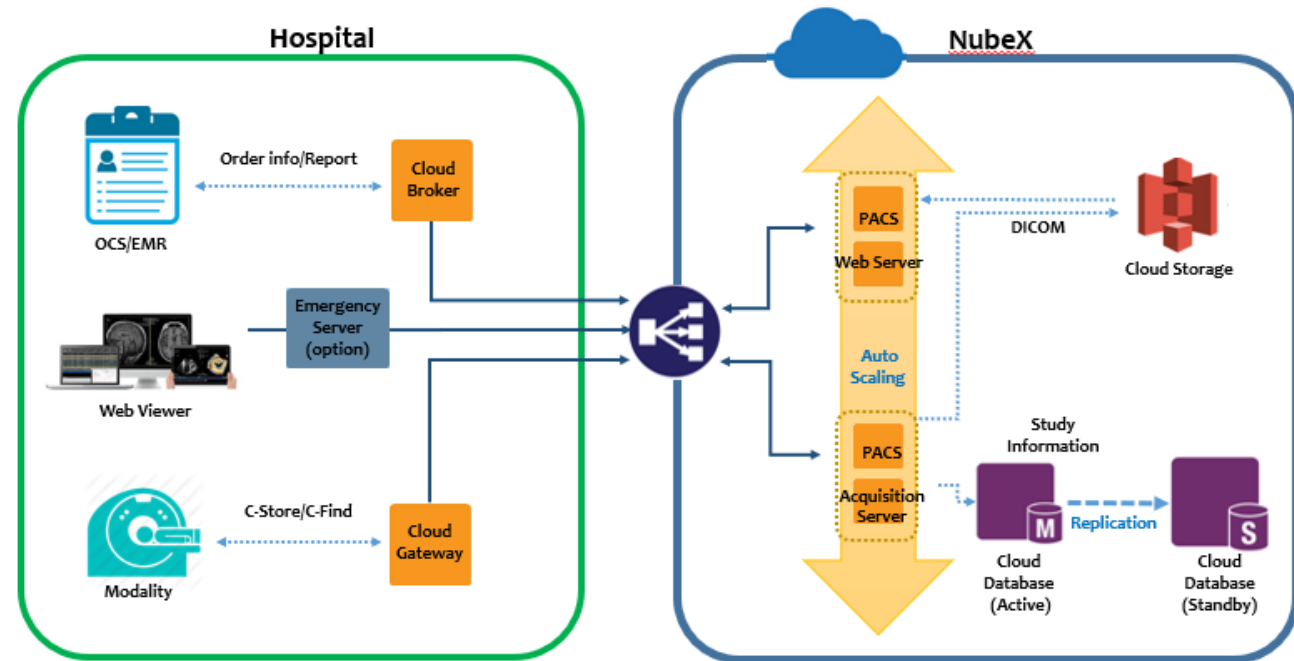
Modern Architecture

Multi-tenant

Transfer under **SSL encryption**

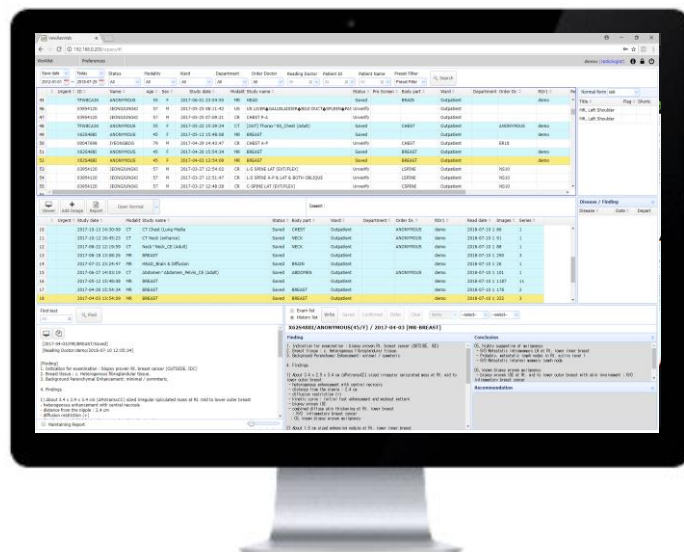
**AWS HIPPA Compliant** Hosting

On-Demand Scalability



# NubeX is Cloud based PACS service

## Total PACS Solution



▲ Worklist



▲ Viewer

### Features on Web Browser

Multi-Monitors

Hanging Protocol

3D Volume Rendering

3D MPR, Cursor

### Features for Environment

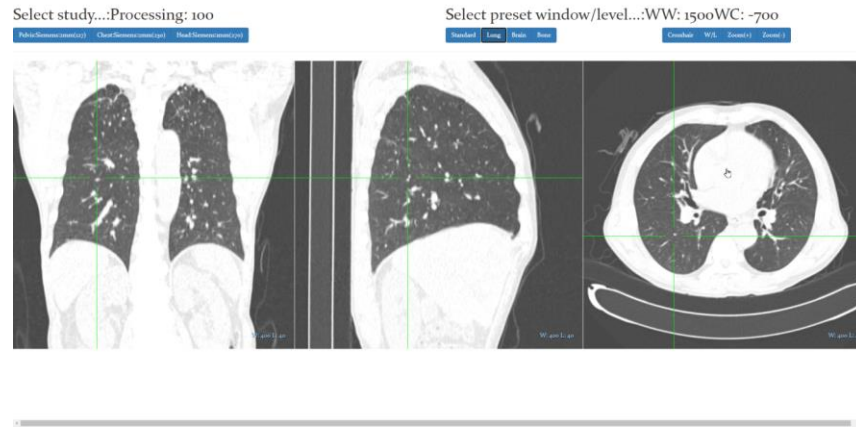
Event Synchronization

AI Pre-Screening service\*

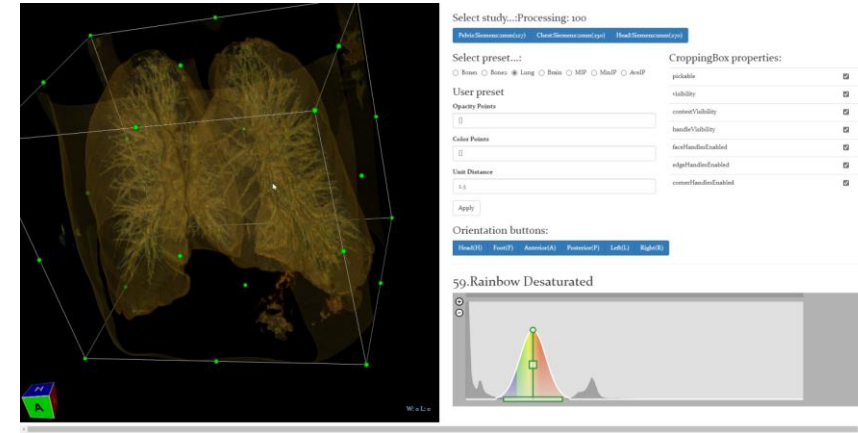
AI Denoising for CT Image service\*

OCS Interface (Support HL7)

\* Optional Functions



- MPR (Multi-Planar Reconstruction)

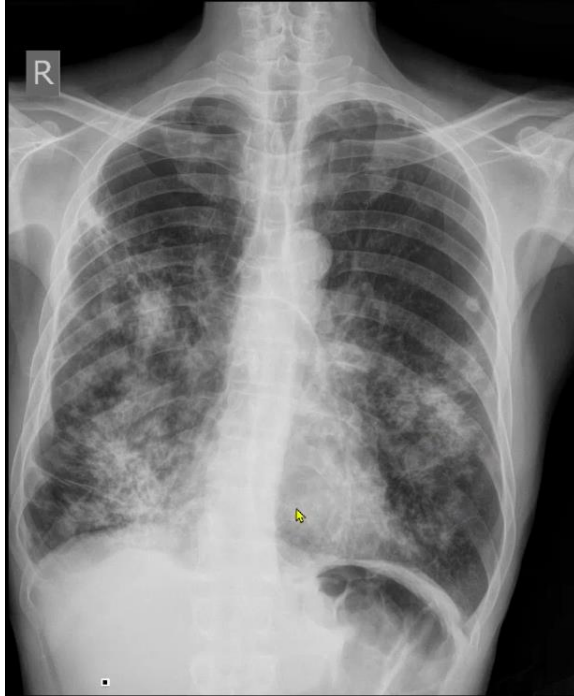


- Volume Rendering

- ✓ Rendering on CT & MR image data
- ✓ Performed on Web Browser



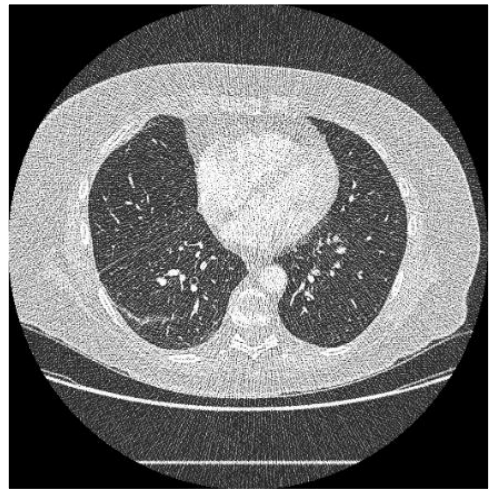
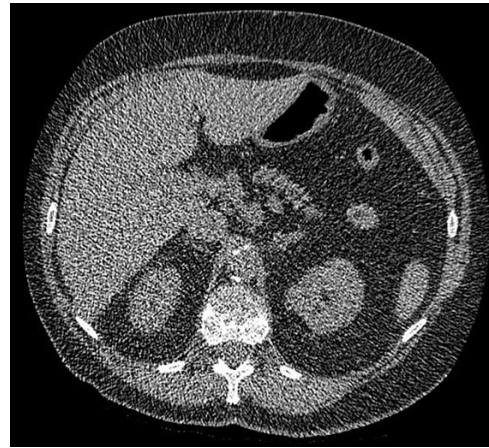
## X ray Image



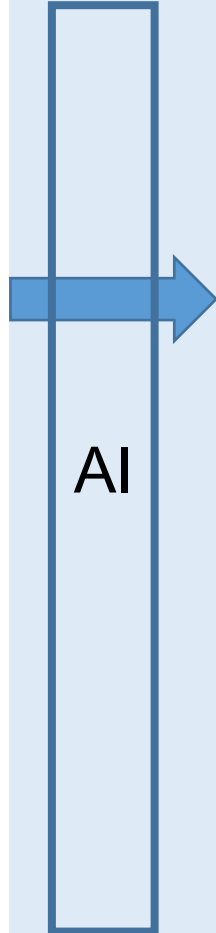
## Abnormal



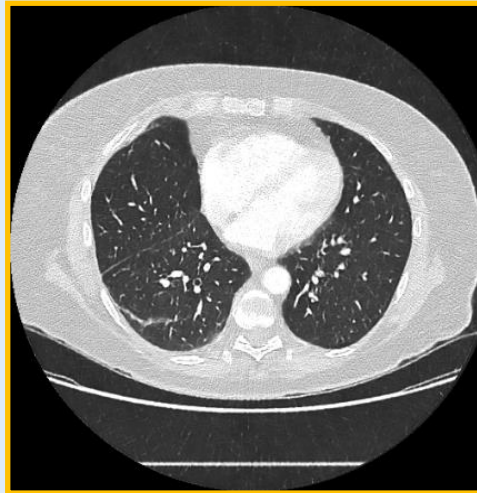
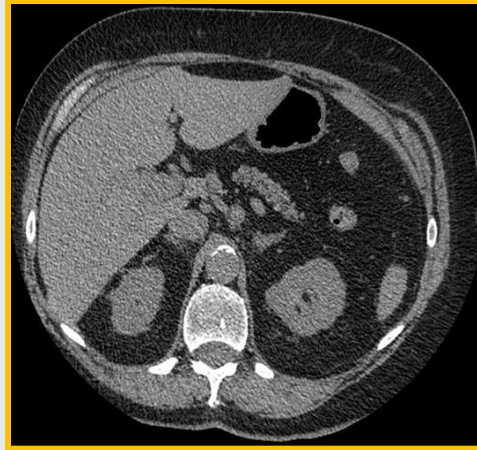
- ✓ Display 'Heat Map' or 'ROI'
- ✓ Reduce Reading time in 50%
- ✓ Improve 6~10% Accuracy
- ✓ Support COVID-19 Detection



Low Dose CT Image



## NubeX

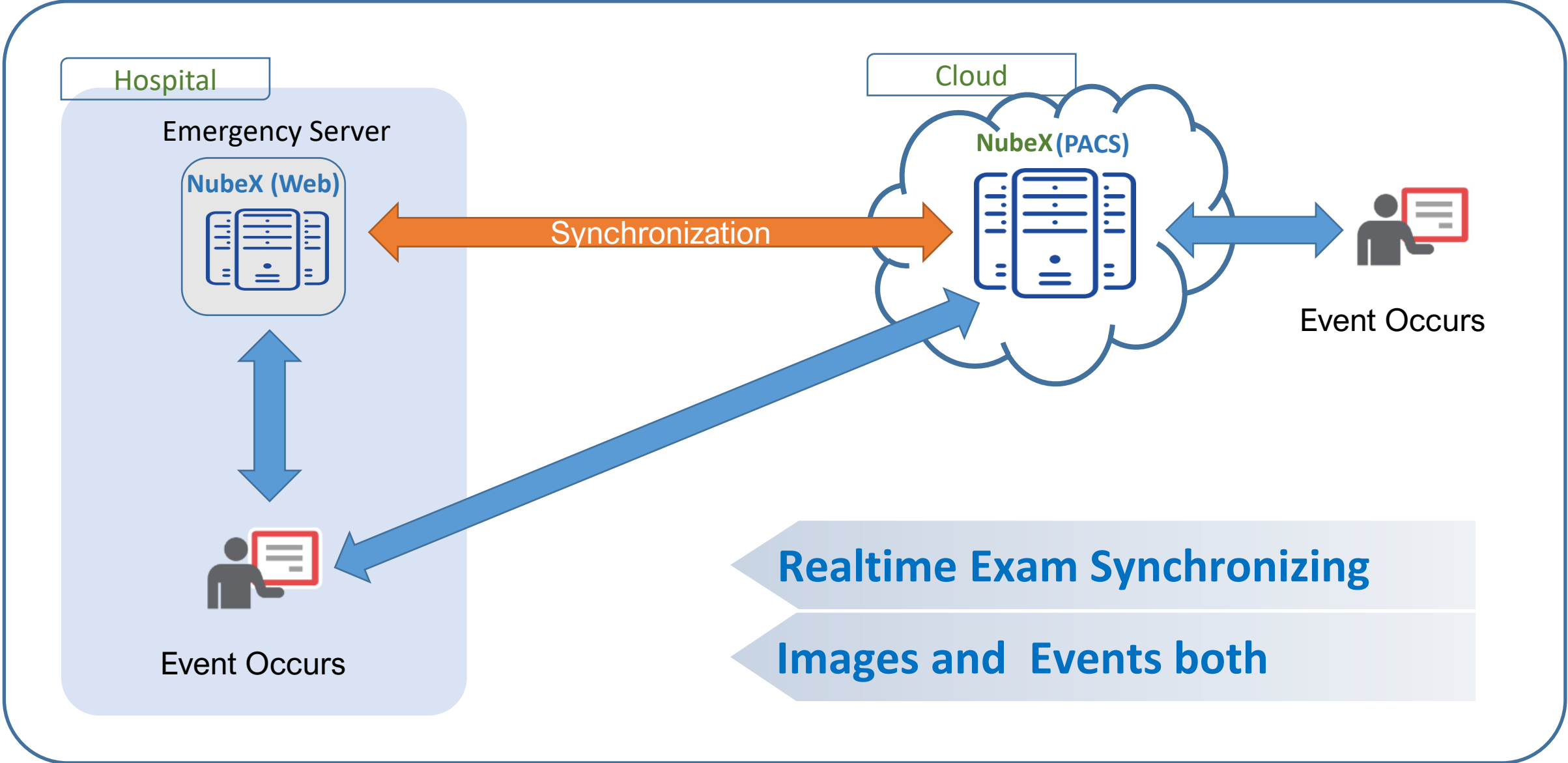


De- Noised Image

- ✓ Solution for low dose regulation
- ✓ High Quality CT image with Low Radiation
- ✓ Max 4 time longer on Tube life



# Emergency Server Event Synchronization





# Global Business

**TECH.HEIM**  
Home of Technology



50+ customers in 10 countries

. **NubeX** – **Launching Global Cloud PACS Service**

\* **JAPAN & VIETNAM (2019)**

. **ViewRex** – **Global standard PACS solution (Multi language supported)**

\* **China, Thailand, Vietnam, Indonesia, Philippines, Spain, Mongol, Kazakhstan and etc.**



**TechHeim of the World**

For more than 19 years,  
TechHeim's longstanding Vitality as Industry Leaders of PACS



***Future of  
Medical Imaging System!!***

**TECHHEIM**

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