

# Telemedicine Training Experience In Kyushu University Hospital



Dr Tin Aung Kyaw, Assistant Director,  
Yangon General Hospital



TEMDEC introduction video



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# TEMDEC

Telemedicine Development Center of Asia



Second is to expand the programs into variety of medical subspecialty



Director of TEMDEC

**Shuji Shimizu, MD, PhD**

# Invitation Letter to Rector Prof. Dr Zaw WAI SOE(UM1)

Dear Prof. Zaw Wai Soe,

Mingalabar!

Attachment shows the project outline.

This year, we mainly focus on Yangon region and specialty of Minimally invasive surgery and endoscope (gastroenterological medicine) Second year (is adopted again from fund organization), we consider other region and other specialty.

I appreciate your advice whether formal letters need to be sent to UMY1, YGH and Ministry of Health and Sports to start this project. I hope project preparation can be conducted in parallel with the request letter and approval letter exchange.

By the way, in this project (this year), we invite 10 doctors and 4 engineers for 4 weeks in Fukuoka, Japan during October and November. As for engineers, you might want to recommend one engineer from University of Computer Studies, Yangon and another one from Ministry of Health and Sports, in addition to one from UMY1 and one from YGH.

The cost for invitation is based on Kyushu University Hospital's regulation such as ticket for economy discount class, stay in the dormitory in Kyushu University Hospital. 1,000 YEN per day is provided as support fee. Honorarium is not provided. Budget is not so big for this project.

I also want to know whether one week in September (Sep.10-12) and December (Dec. 17-19) is available or not. If there are some big medical events for this period, we have to change schedule.

I want to hear from you in the week of June 10. I'm really sorry for this short notice.

Regards,

Tatsumi(<munesato@jtec.or.jp)

## Myanmar IT Engineers and Doctors with Engineers from Kyushu University Hospital



**Telemedicine** is the remote delivery of healthcare services, over the [telecommunications](#) infrastructure. It allows healthcare providers to evaluate, diagnose and treat patients using common technology, such as [video conferencing](#) .

## Types of telemedicine

- Telemedicine can be classified into three main categories:
  - 1.remote patient monitoring
  - 2.store-and-forward
  - 3.interactive telemedicine

( allows physicians and patients to communicate in [real time](#). Such sessions can be conducted in the use of [videoconferencing](#) software)

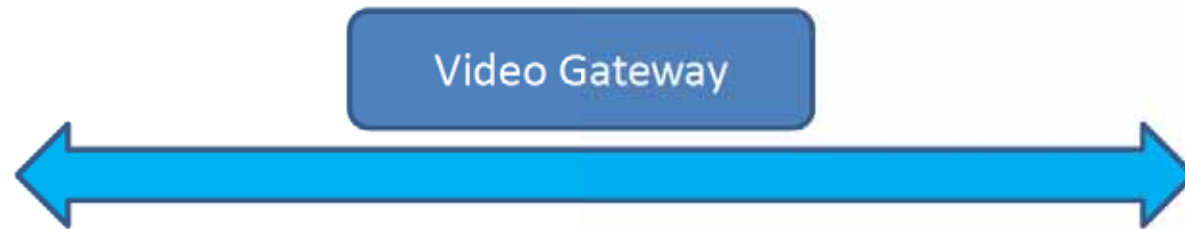
# Teleconferencing

- Kyushu University Hospital train to our Myanmar team about Conferencing with local and international.
- A. Hardware-based system
- B. Software-based system

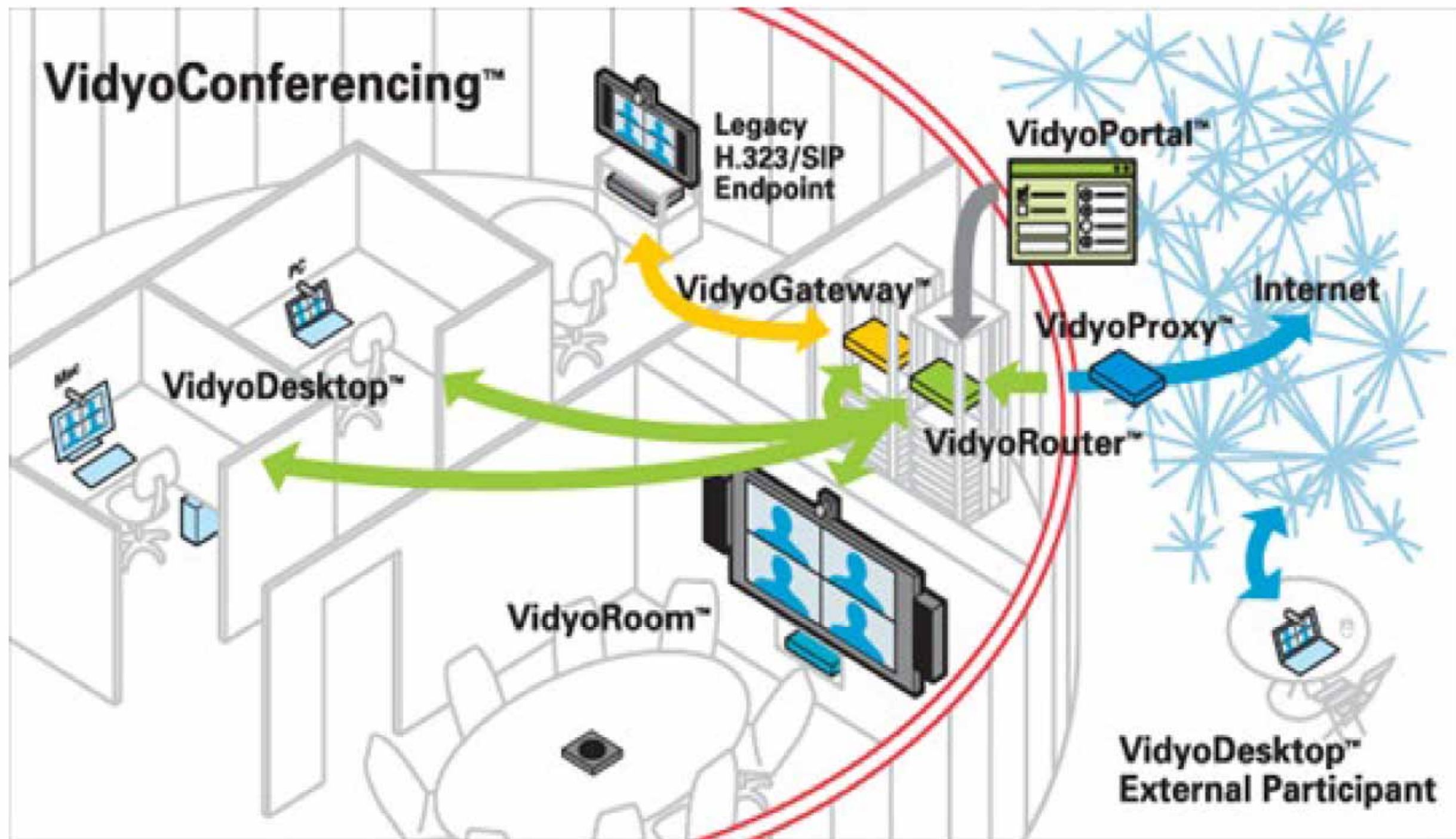
Kyushu University Hospital mainly used vidyo software  
Vidyo, Inc., founded as Layered Media, is a privately held, venture-funded company that provides software-based collaboration technology and product-based visual communication products.

# Vidyo can connect with other system H323 by using Video Gateway

- Our Yangon General Hospital used polycom device(H323)
- We can connect with YGH and Kyushu University Hospital by using video gateway
- Our Yangon General Hospital used 16 MHZ(Dedicate Line)
- On our training center ,we arrange for the Telemedicine Setup in there.



# Vidyo Conferencing™

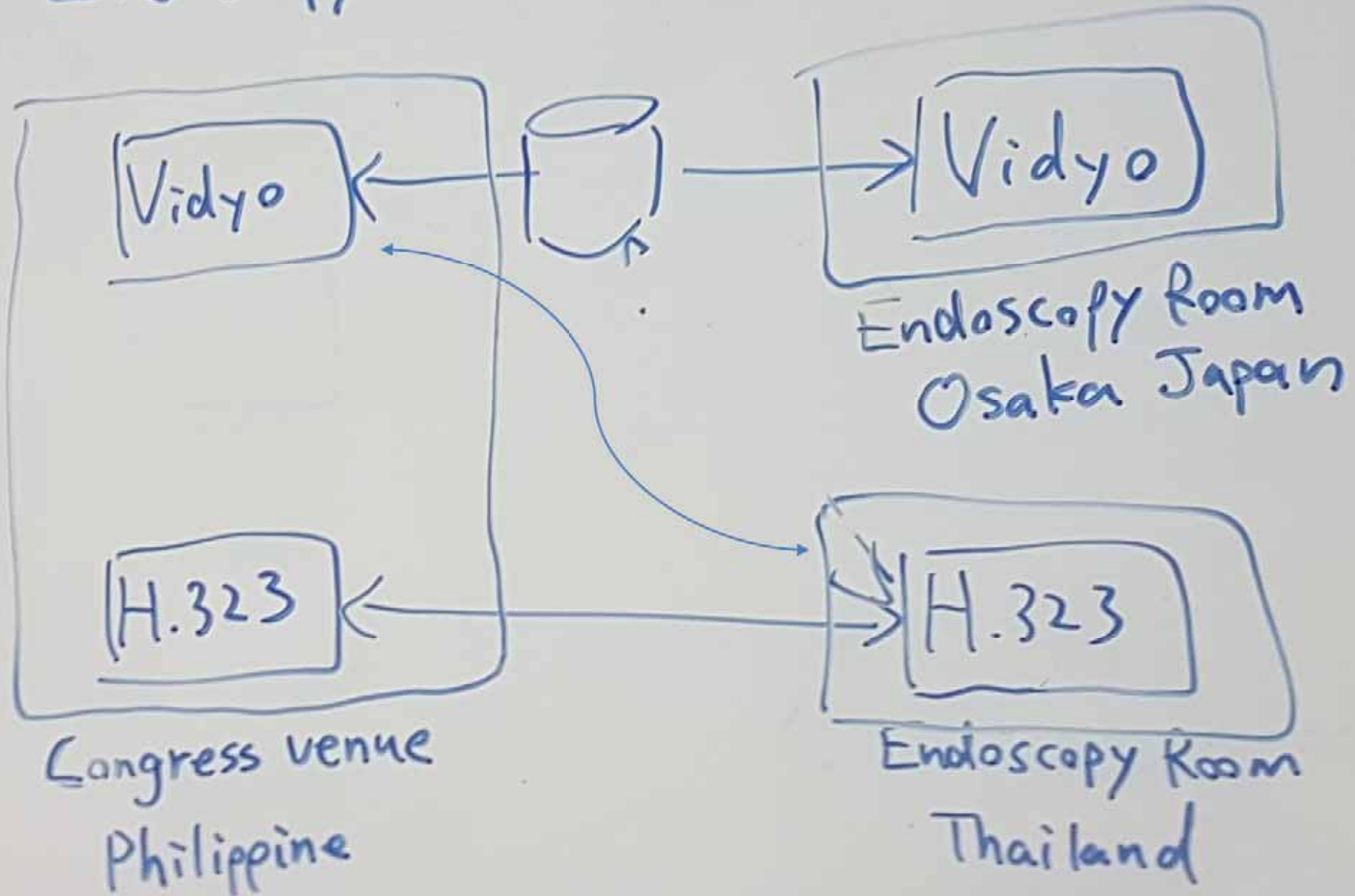








# Endoscopy Live on Oct 11th



# Components of H.323 System



- Terminal
    - Video/audio/data client
  - MCU
    - Conference control
    - Content mixing
  - Gateway
    - Protocol translation
  - Gatekeeper
    - Address resolution
    - Admission control
- 
- Terminals, MCUs, and Gateways are called *H.323 Endpoints*
  - An endpoint is "callable"

# Plan to do in Myanmar

- Telemedicine and Teleconferencing are important for our country.
- Can connect different departments , universities and hospitals
- So first we built up for infrastructure(Including Budget allocation)
- A . Manpower
- B . Hardware
- C . Software



THANKS  
*For everything*



I HAD A  
*Wonderful time*



Dr Tin Aung Kyaw