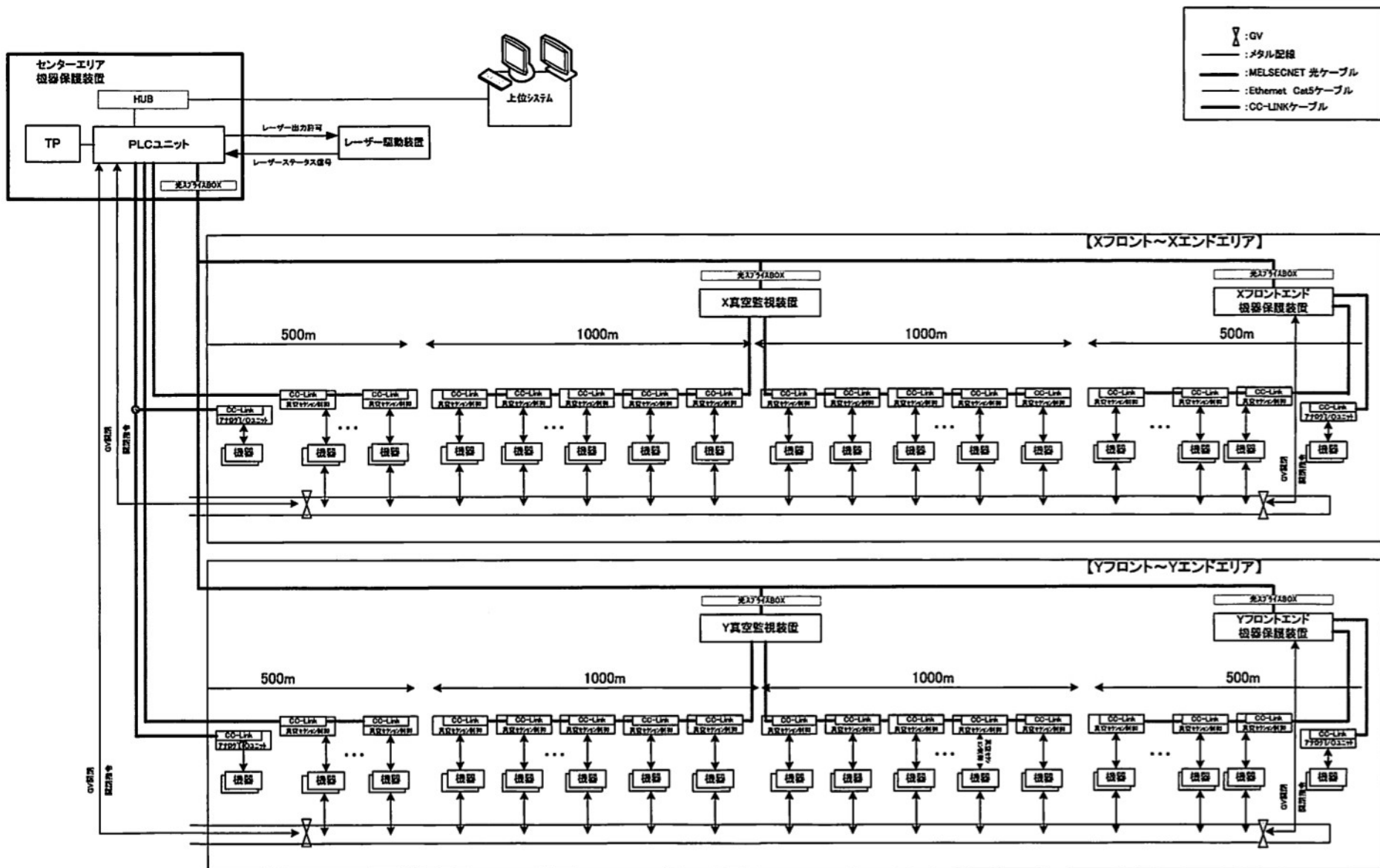


KAGRA Domestic Meeting 2013/4/17

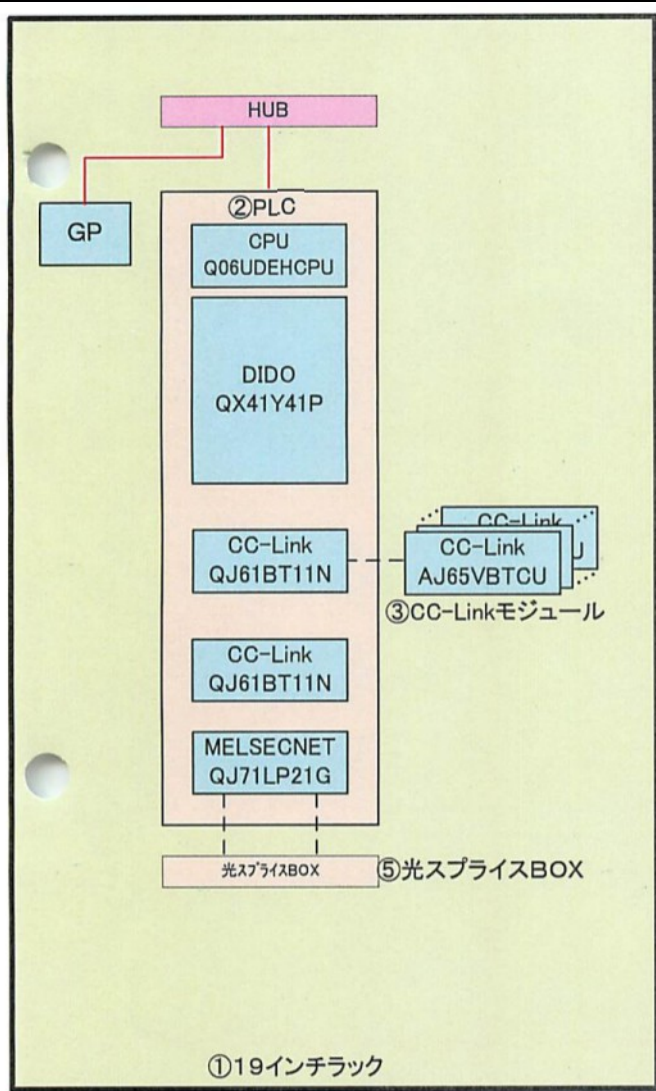
# Main Interferometer Subsystem

Yoichi Aso  
University of Tokyo

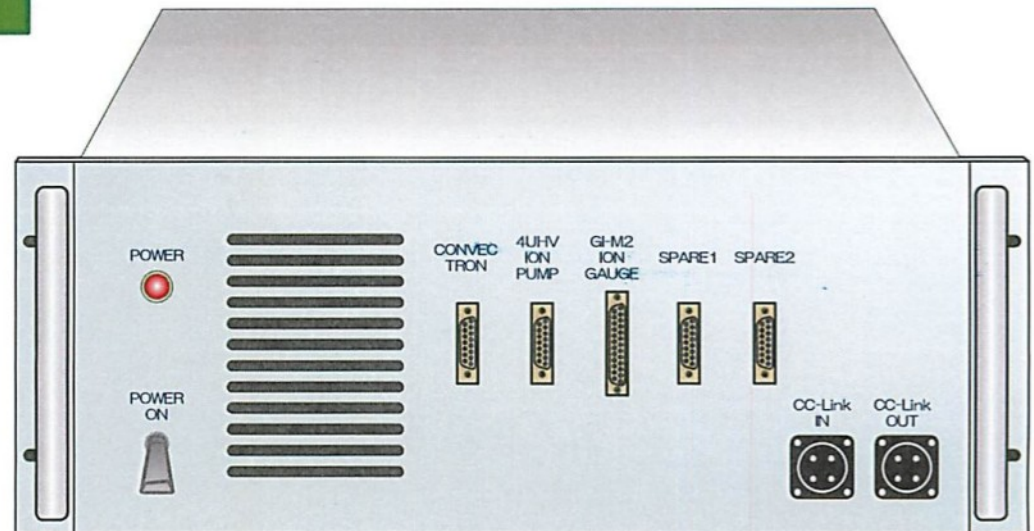
# Instrument Control

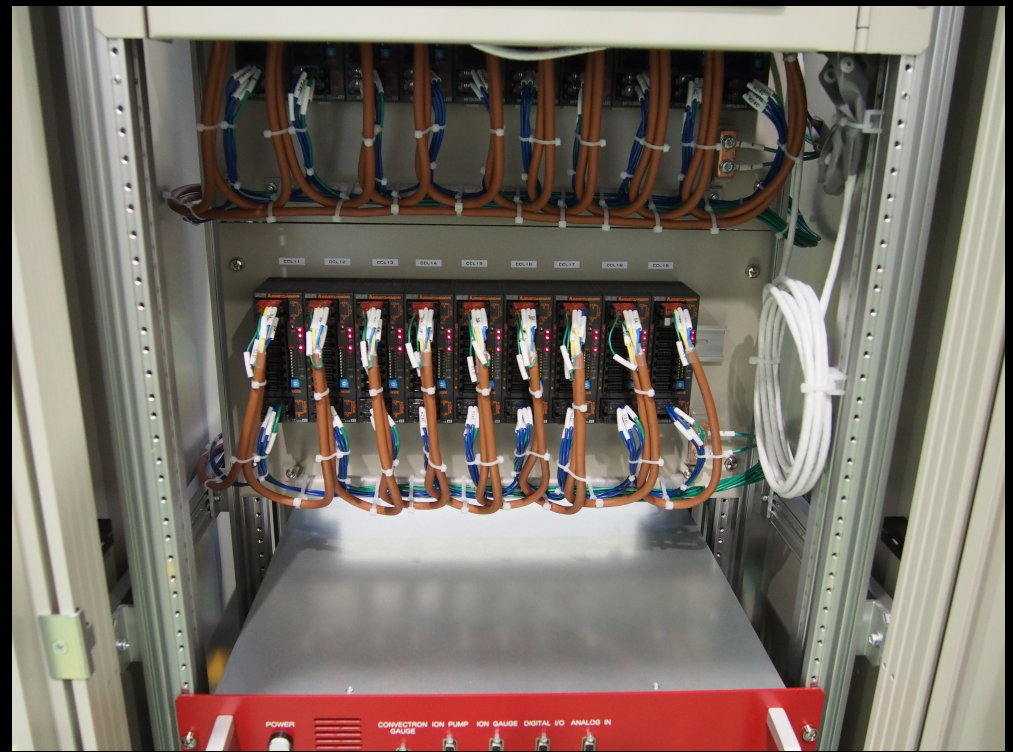
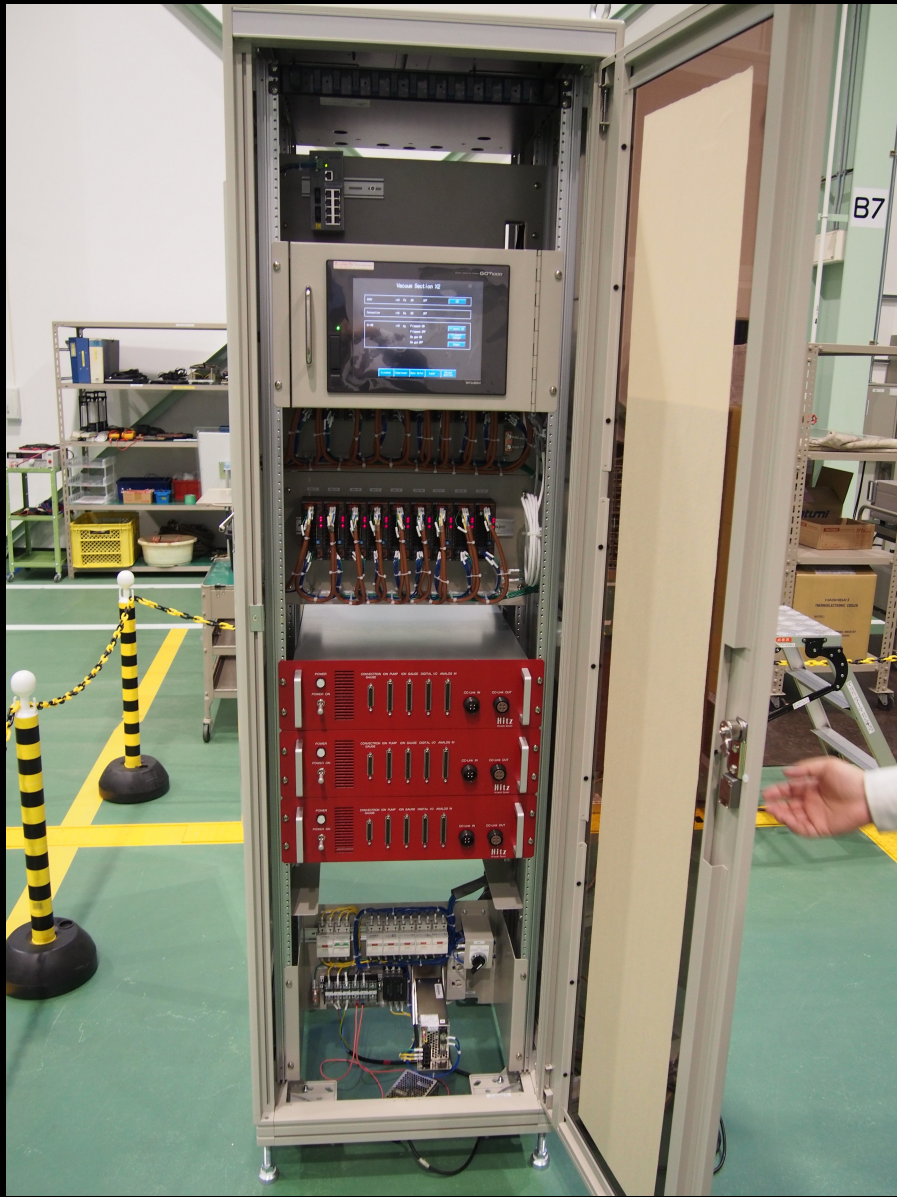


# Ordered Central Module + 4 Vacuum Modules



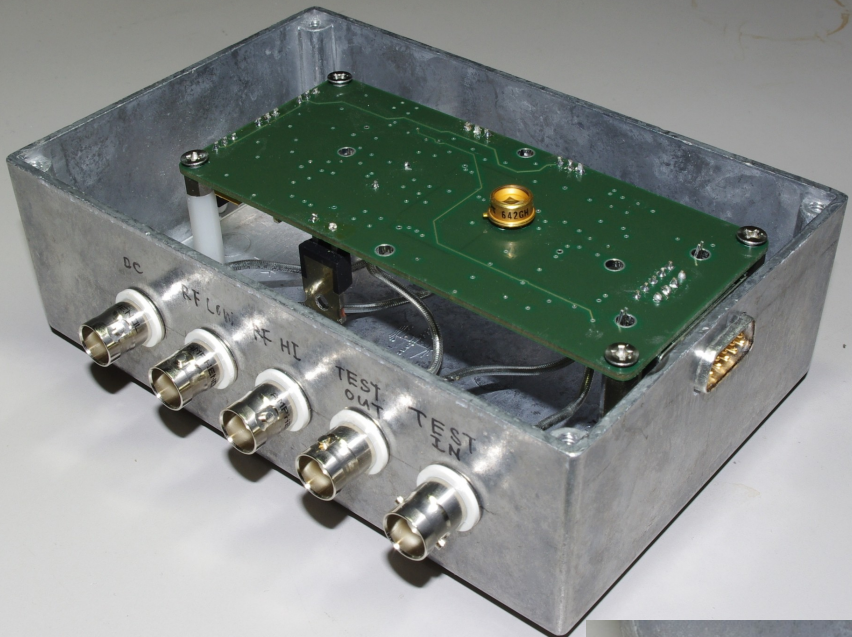
機器外観図



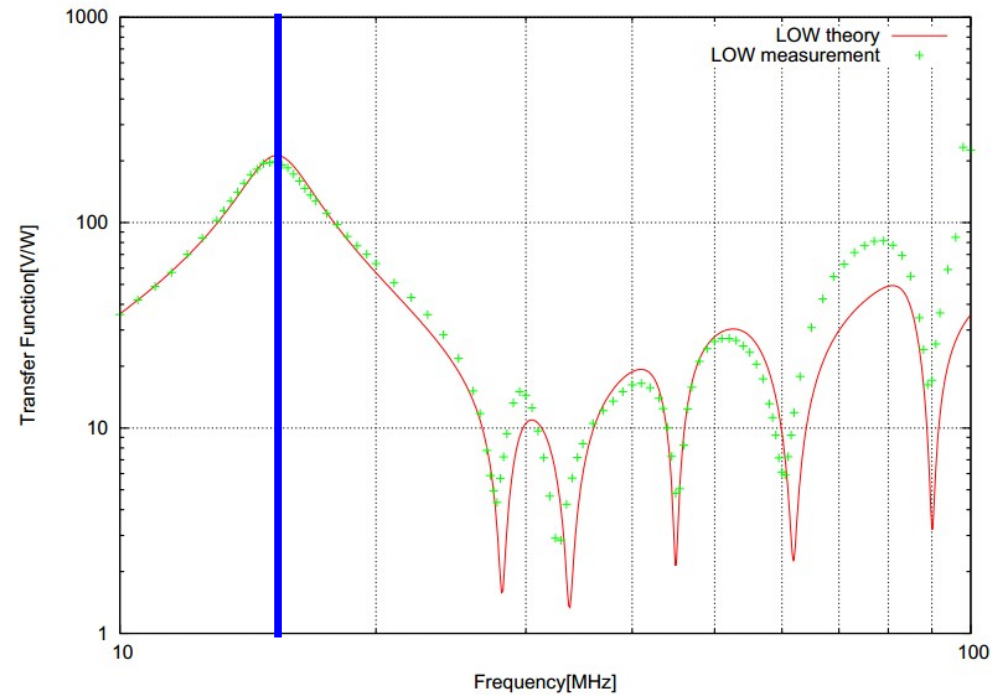
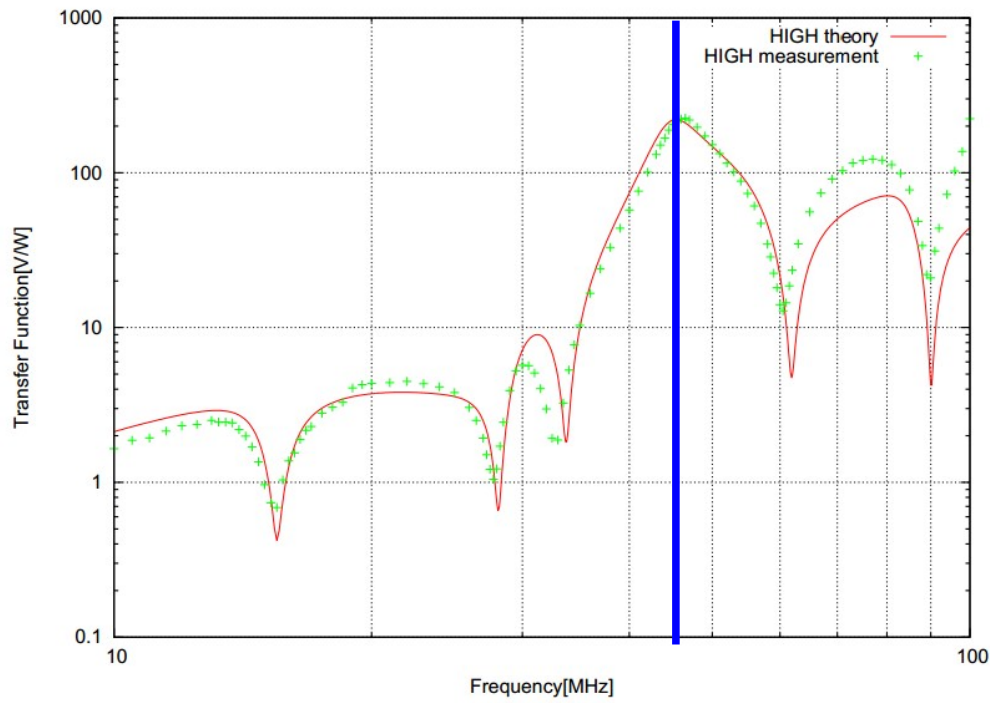


# Tasks Going On

- Electric Circuits
- Servo modeling
- Detailed Optical Layout (OMC)



# RF PD Response Measurement



# Electric Circuits to be Made

## PDs

- RF PD
- RF QPD
- DC PD
- DC QPD

High Stability RF Oscillator  
RF Distribution  
I-Q Demodulator  
Whitening Filter

## Vacuum Enclosure

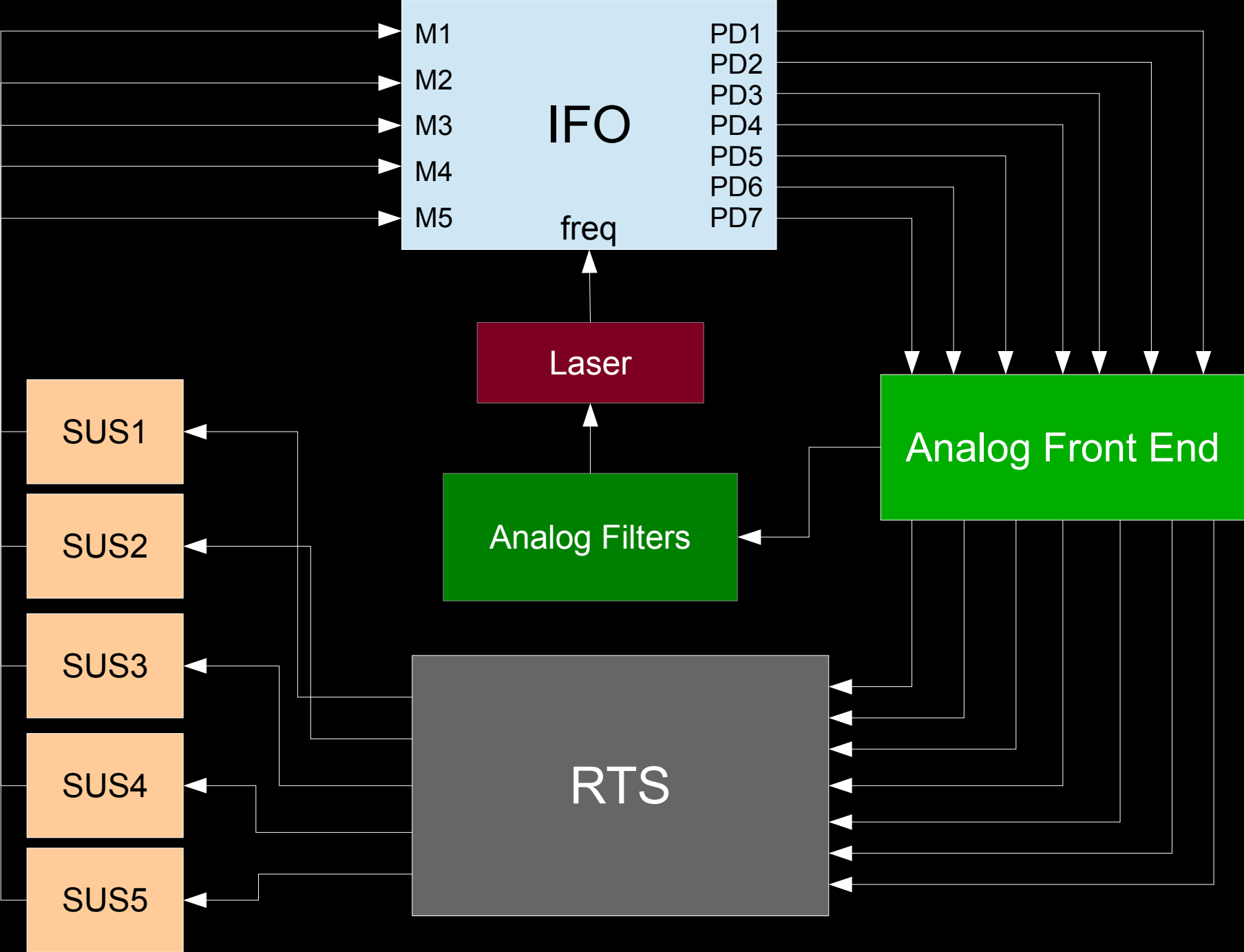
300K JPY per Unit (LIGO Style)

## High Speed Servo

- Reference Cavity Lock
- Mode Cleaner Lock
- CARM feedback



# Servo Modeling (CLAVE)



# Optical Layout

- Output Mode Matching Telescope
- Output Faraday
- Output Mode Cleaner
- Detection Ports

