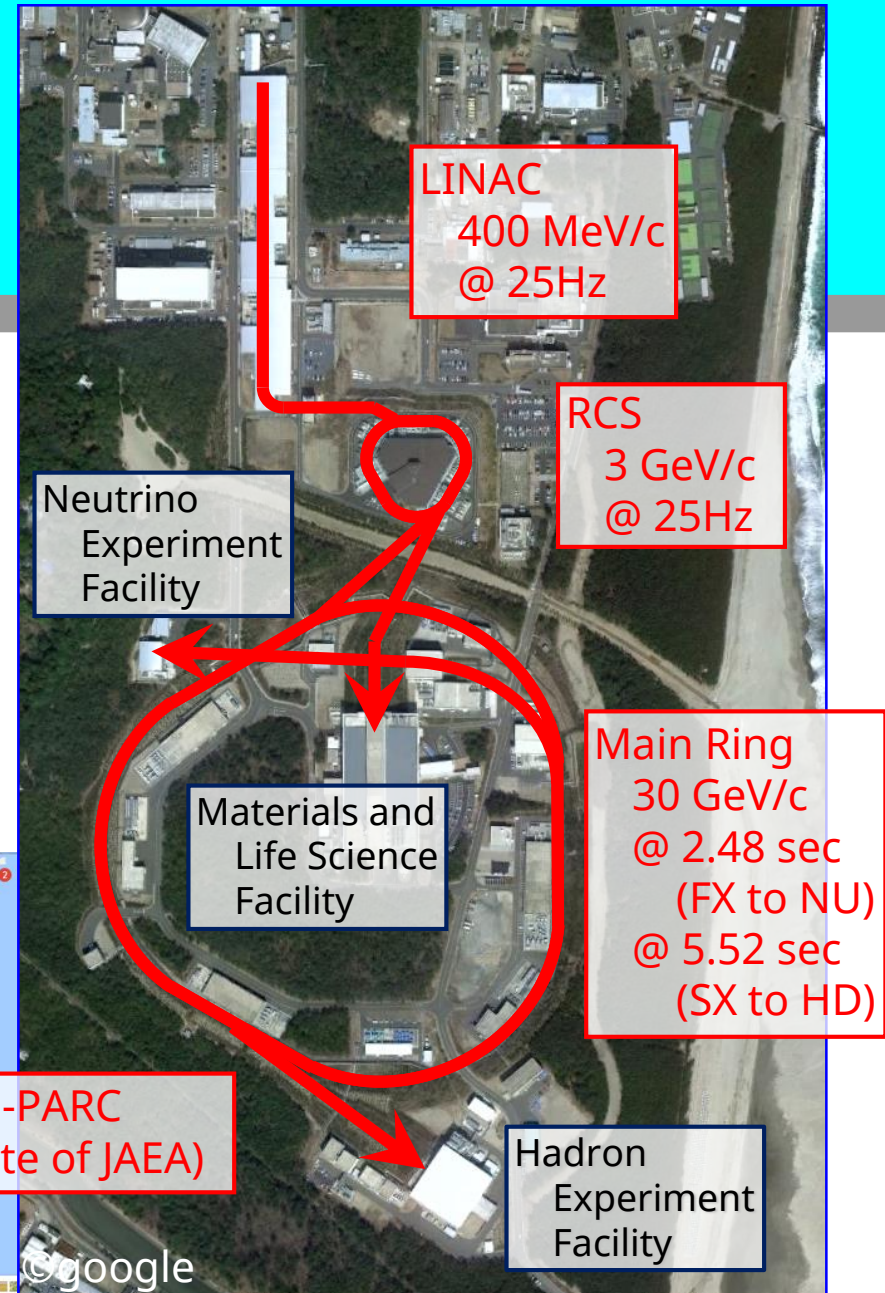
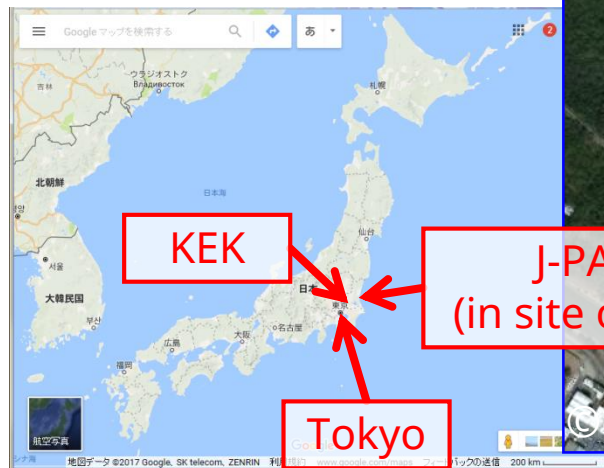


# A Two-Tier PV Gateway for Channel Access from J-PARC Office Network to the Accelerator Control Network

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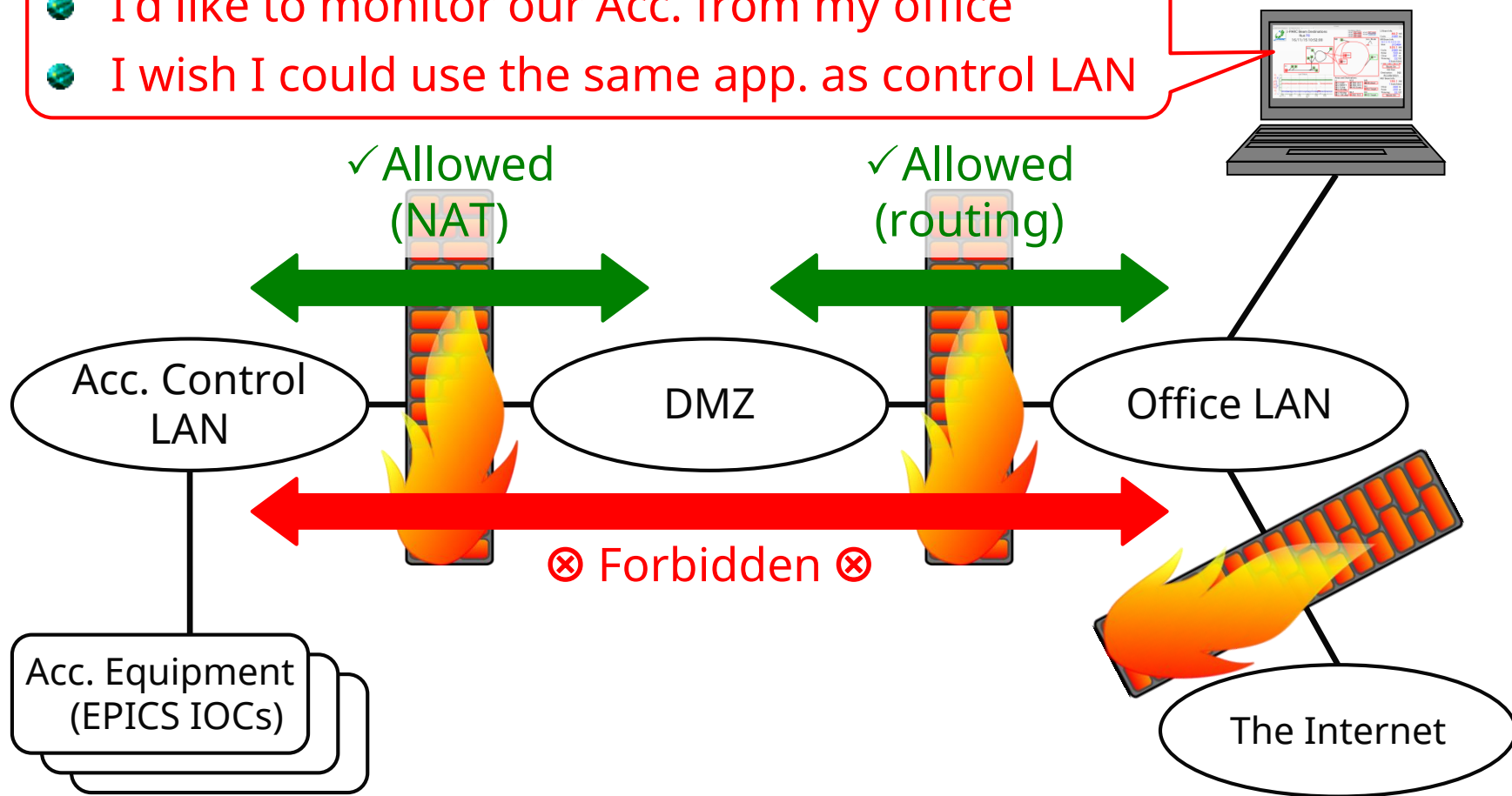
# J-PARC

- Japan Proton Accelerator Research Complex
- Joint project of :  
KEK (High Energy Accelerator Research Organization)  
and  
JAEA (Japan Atomic Energy Agency)

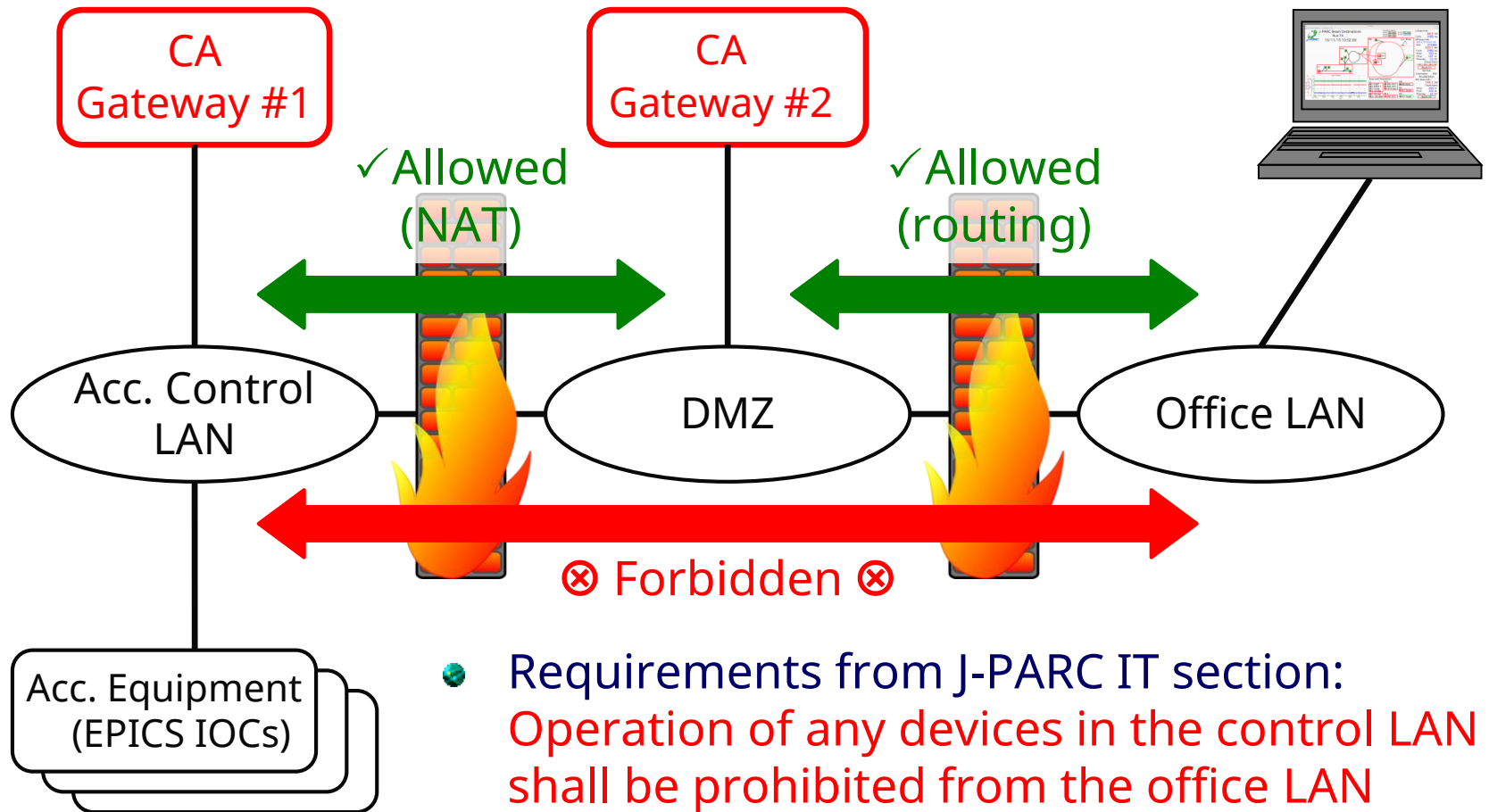


# Motivation : Network and Policy in J-PARC

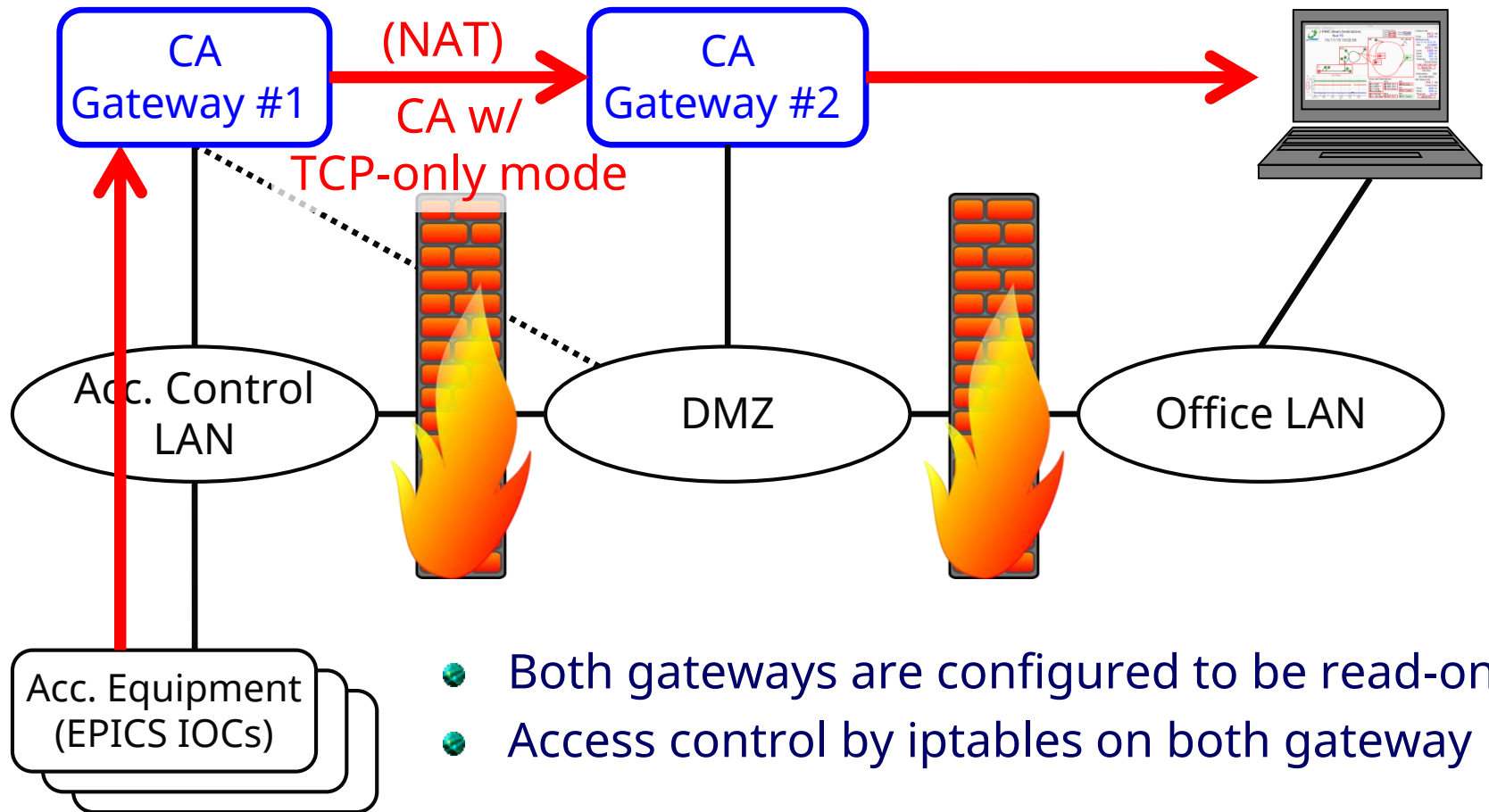
- I'd like to monitor our Acc. from my office
- I wish I could use the same app. as control LAN



# Idea : 2-Tier Gateway



# Implementation



# Hardware

## ● PiNON sabataro®

- Celeron J1900 (4 cores @ 2.4GHz) / 8GB
- SL6 + EPICS base R3.15.5 + Gateway R2.1.0



# Summary

- An one-way gateway system was constructed, which allows Channel Access thru two-layer firewall
- It has been in operation since Apr 2018

