



# 2x2 Installation Status

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ND-LAr Consortium General Meeting

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# Current Status

- As of yesterday afternoon, underground work is paused due to a problem with the main MINOS elevator
  - Thankfully, everyone is fine!
  - One of the elevator counterweight cables (redundant system) snapped and fell on top of the elevator car (with Louise and Jessie inside!)
  - Everyone responded perfectly:
    - Louise called the fire department from the elevator phone & the firefighters showed up very quickly to help get people out from underground
    - Steve H. had the elevator tech over to the building within ~20 minutes
    - Firefighters escorted all ~10 people who were underground back upstairs via the small 2-person “firefighters’ elevator” next to the main one (which is there for exactly this reason)

# Elevator

- MINOS has a rack-and-pinion elevator
  - When one of the counterweight cables broke, the elevator braked itself and went into a safety mode to slowly lower to the ground
  - Repair will take at least 1 week
  - Elevator contractors are closely inspecting both elevators now
    - Initial look at fallen cable; no water/rust damage, it just snapped. Some theories, but no conclusive answers yet
    - Note: elevators are inspected monthly. No issue seen with cable during last inspection
- This is a DOE ORPS (Occurrence Reporting and Processing System) reportable event
  - Investigation team being formed
  - Report to be prepared and submitted within 10 business days
- Working through line management to get approval for a limited team of people to be able to go underground via the firefighters' elevator or the person-basket (lowered with crane down shaft)
  - Delicate negotiation... please be assured that I am working on this!!!



# Updates

- ODH
  - Blower is ready to go underground for installation at end of duct (was supposed to be lowered down yesterday afternoon...)
- Cryogenic infrastructure
  - Cryo controls computer
    - A software update wreaked havoc that incapacitated the computer on Monday
      - Trevor & Brandon resolved this yesterday just before the elevator broke, but still need to do one thing to get it properly registered on the network
      - See Trevor's elog entry:  
<https://dbweb8.fnal.gov:8443/ECL/argoncube/E/show?e=798>
    - If the elevator had not broken, we would have done the pressure test early this morning, then installed PRV and been ready for full cryo ORC at 4pm today.
      - Postponed until we are allowed to bring cryo team back underground