

# Paris Session 2022



## Mobile Substation Solution for Substation Intervention

B3 PS2 Q 2.1

What new ideas and concepts will provide insight on asset life extension and reduced cost while improving reliability?

Minsoo LEE, South Korea

**HYOSUNG** HEAVY  
INDUSTRIES

## Question and Our Contribution

### Question PS2.1

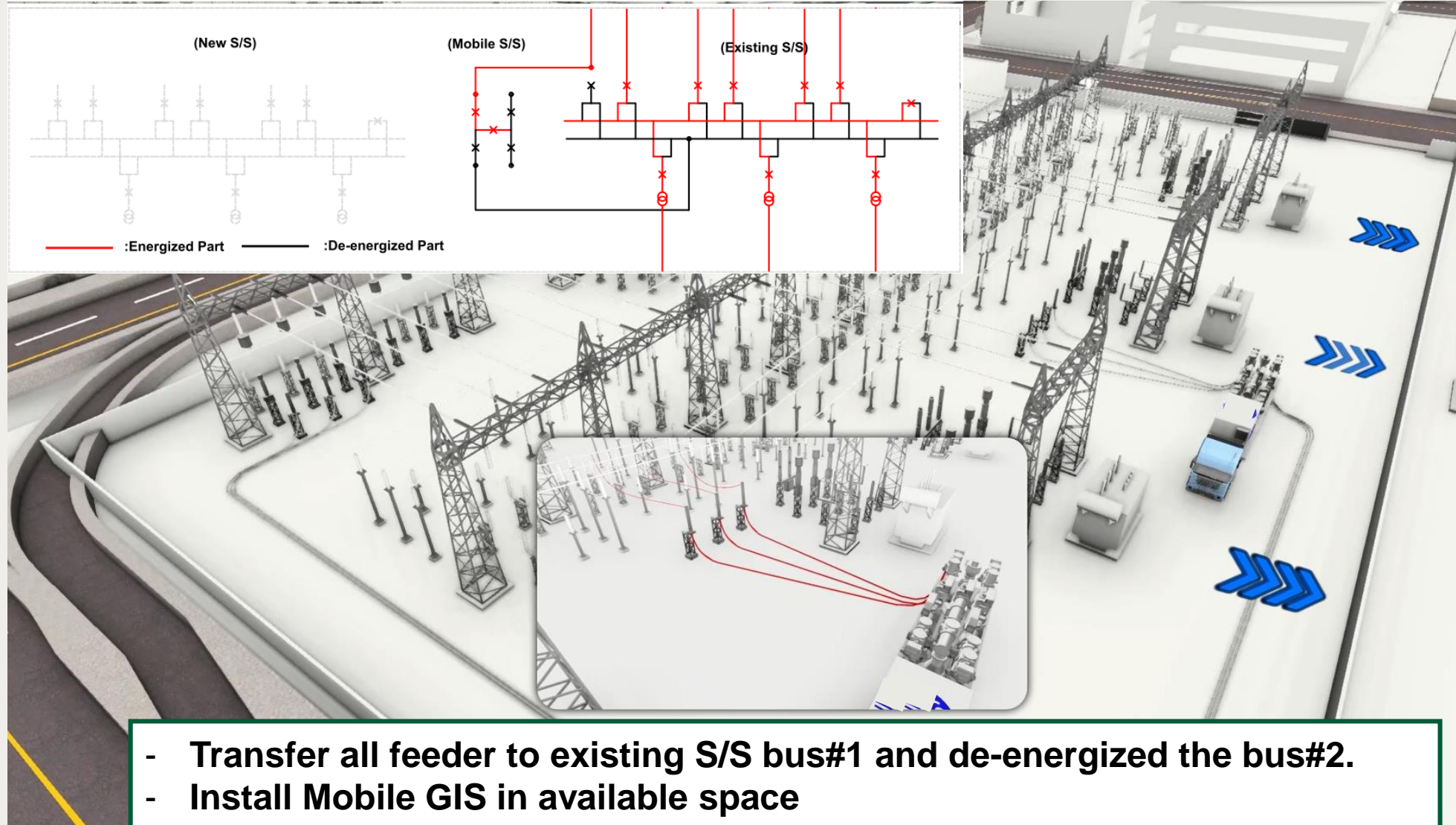
What are the management challenges to maintaining existing substations in both the short term and long term. What new ideas and concepts will provide insight on asset life extension and reduced cost while improving reliability?

### Answer

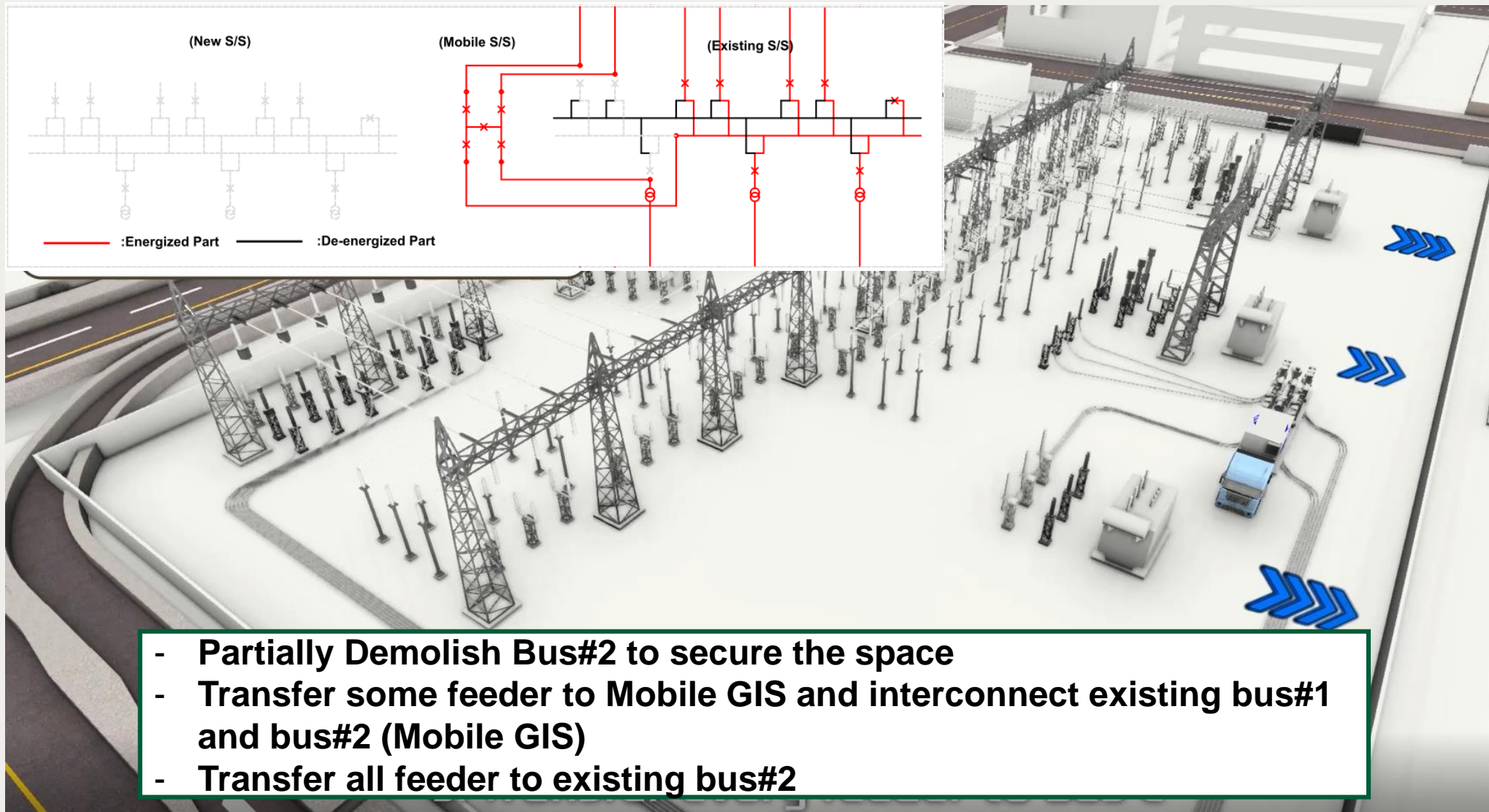
1. Issue: Increasing of Electric dependency, **but more difficult to make shutdown**
2. Propose to use of Mobile S/S in new application
3. Compact HV GIS can provide more extensive role of Mobile Substation



## Mobile GIS can be used during maintenance or overhaul of old S/S



## Mobile GIS can be used during maintenance or overhaul of old S/S



## Mobile GIS can be used during maintenance or overhaul of old S/S



- Remove existing Substation and finalize the upgrade

## Conclusion

1. Many advantage of Mobile Substation except for emergency recovery.
2. Suitable solution in De-carbonization and green environment trend
3. Reduces Footprint & Construction time
4. Possible to utilization to various electronic product  
(STATCOM/ ESS/ MVDC)