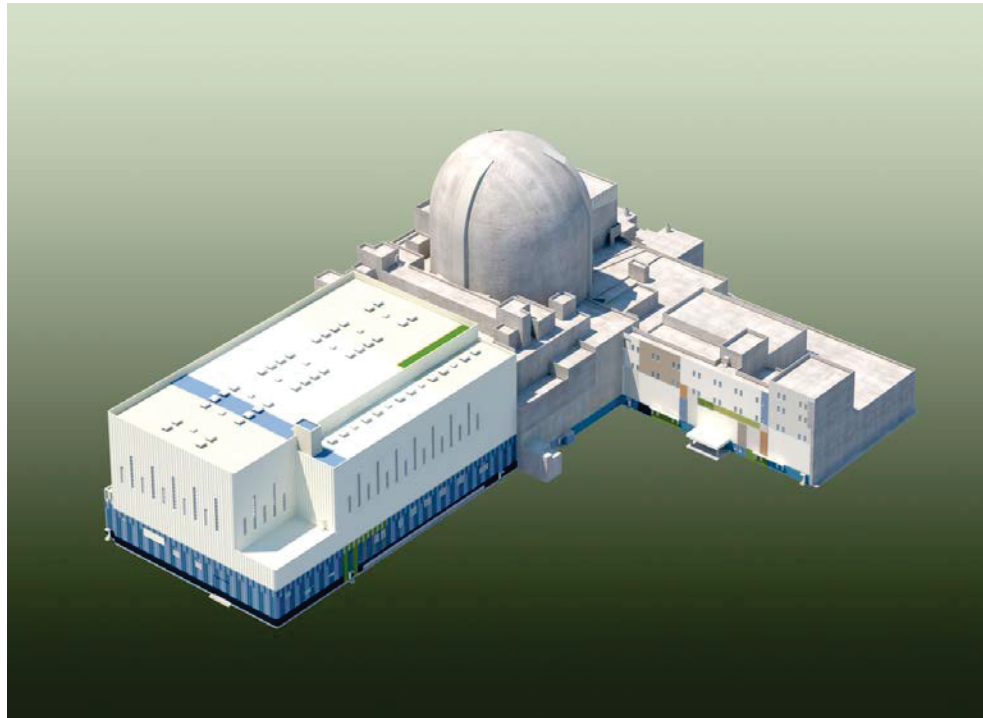


# APR1400 Plant Security Design (Loss of Large Area Analysis)



**KEPCO/KHNP**  
**Apr. 20~21. 2016**

# Content

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- Overview
- Regulatory Basis
- General Approach
- Implementation of mitigation strategies
- Conclusion

# Overview

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- **LOLA**

- Loss of large areas of the plant due to large fire or explosion
- Resulted from an undefined threat
- Needed a pragmatic approach
- Key assumptions
  - Reactor at 100% power
  - Imminent threat warning does not occur
  - Loss of plant control function
  - Loss of all AC and DC power for operation of plant systems
  - Actions can be taken by an auxiliary operator

# Regulatory Basis

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- 10 CFR 50.54(hh)(2)
- SRP 19.4
- NEI 06-12

# General Approach

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# Implementation of mitigation strategies

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# Conclusion

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# THANK YOU