

APR1400 Instrumentation & Controls Design (Man-Machine Interface System)



KEPCO/KHNP
April 20~21 2016

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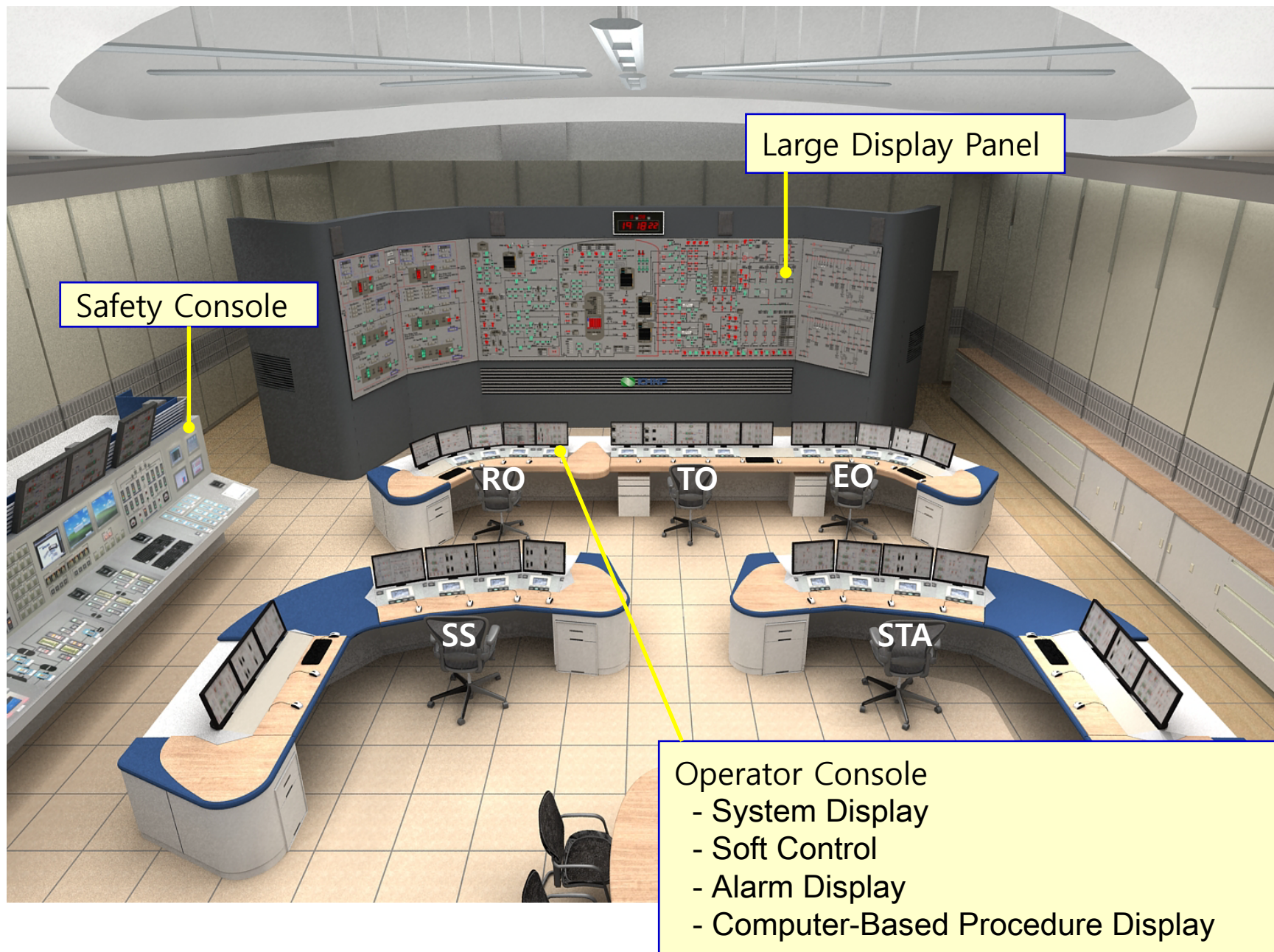
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 - Large Display Panel
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Human-System Interface(HSI) design process

- The APR1400 Basic HSI is derived from the Basic HSI of the APR1400 predecessor design, Shin Kori Nuclear power plant units 3 and 4.
- APR1400 Basic HSI is applied to development of APR1400 HSI system and HSI facilities.

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APR1400 Main Control Room (MCR)



Large Display Panel (LDP)

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Safety Console

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Operator Console

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System Displays

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Soft Control

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Alarm Displays

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Computer-Based Procedure Displays

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ACRS Meeting (Apr.20-21, 2016)

Summary

- The APR1400 Basic HSI is derived from the Basic HSI of the Shin Kori nuclear power plant units(SKN) 3 and 4.
 - Operating license of SKN 3 was issued on October 2015 and SKN3 was connected to the grid on January 2016.
- The conceptual design of the APR1400 Basic HSI is the starting point for development of the complete APR1400 Basic HSI, which is developed during the HSI Design program element.

