

Paris Session 2022



Local Renewable Management System(LRMS)
to foresee, prepare, and react to extreme
operating conditions

Study Committee C2

PS 2 Operational Planning Strategies, Methodologies and Supporting Tools

Q 2.9 What new or additional tools will power system operators need in
order to be able to foresee, prepare and react to extreme operating
conditions?

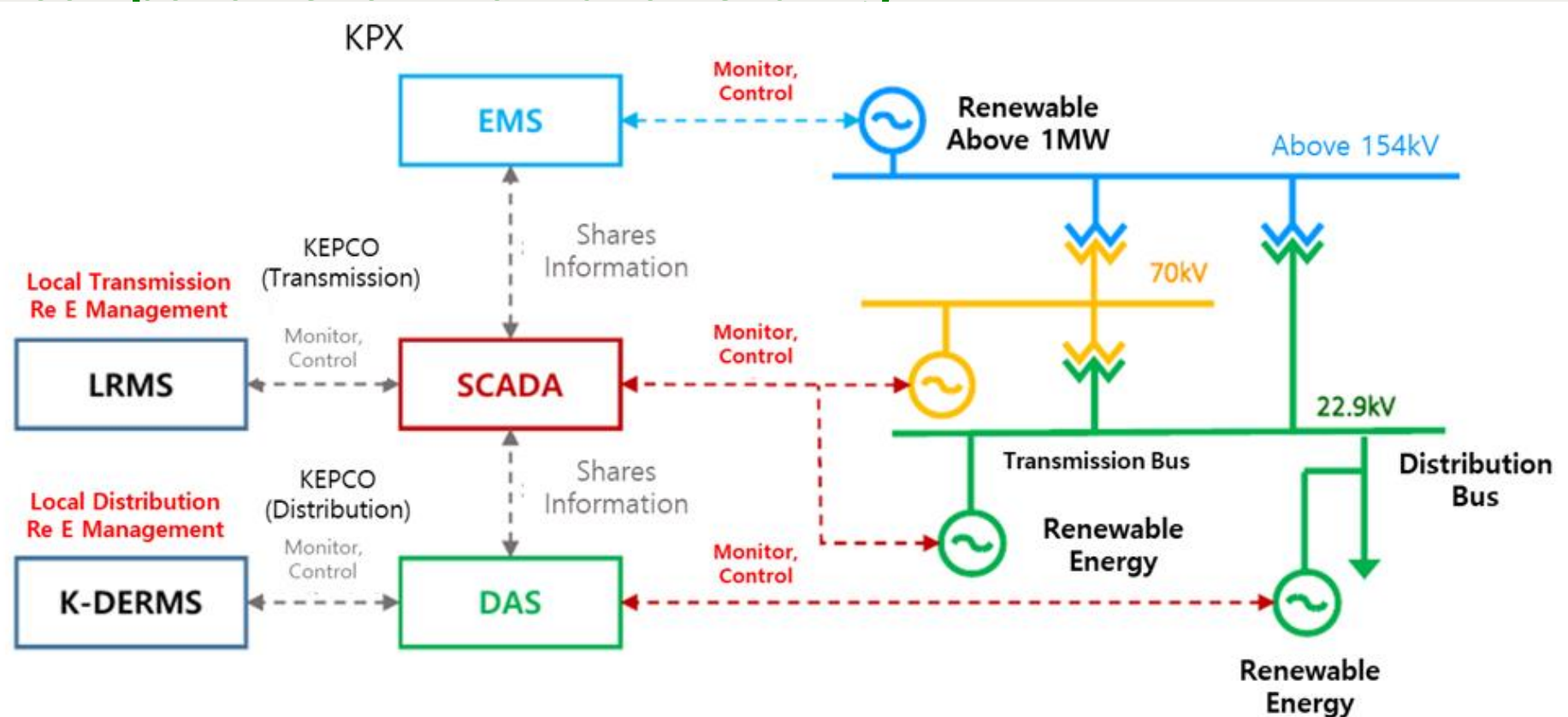
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Introduction of Local Renewable Management System(LRMS)

- **To monitor and control the local RESs**, Korea Electric Power Corporation (KEPCO) is establishing the LRMS in southwest local power system of Korea.
- To predict, monitor, and control the local power system, the LRMS is **connected to other components for information sharing.**



Configuration Structure of LRMS

- LRMS is comprised of 3 modules
 - State estimation **DB construction** module
 - **On-line dynamic stability assessment(DSA)** module
 - **Local power system control** module
- } Determine the max. output of RES and automatically conduct curtailment if system is predicted to be unstable

