

USACE

Robert S. Kerr Dam Modernization of Electrical Infrastructure



DIVISIONS

Olsson Industrial Electric
Olsson Controls
OS Engineering



LOCATION

Sallisaw, OK



START DATE

June 2020



END DATE

August 2024

SCOPE OF WORK:

- Overall Project consisted of the following:
 - Replacement of (4) main 15kV switchgear lineups
 - Replacement of 480V station service switchgear
 - Installation of new Generator Step-up (GSU) transformers, supplied by others
 - New 15 kV bus from generator to switchgear and from GSU transformers to switchgear
 - Replacement of unwatering/ sump pumps and motors
 - Replacement of draft tube and spiral case valves
 - Transformer deluge and deluge containment
 - Governor kidney loop system
- Olsson Industrial Electric was instrumental in the re-design of the GSU transformer power distribution
- Olsson Industrial Electric, alongside OS Engineering and Stoddard Power Systems, proposed a new location for the GSU's that resulted in an underground duct bank for the MV conductors in place of aerial
- OS Engineering, with the help of Stoddard Power Systems, provided expensive engineering assistance to the CORPS throughout the project as well as commissioning and FAT testing of new switchgear
- Olsson Industrial Electric performed all of the switchgear controls integration locally at our panel shop in Springfield, OR and had the switchgear delivered to Tulsa, OK