GE VERNOVA

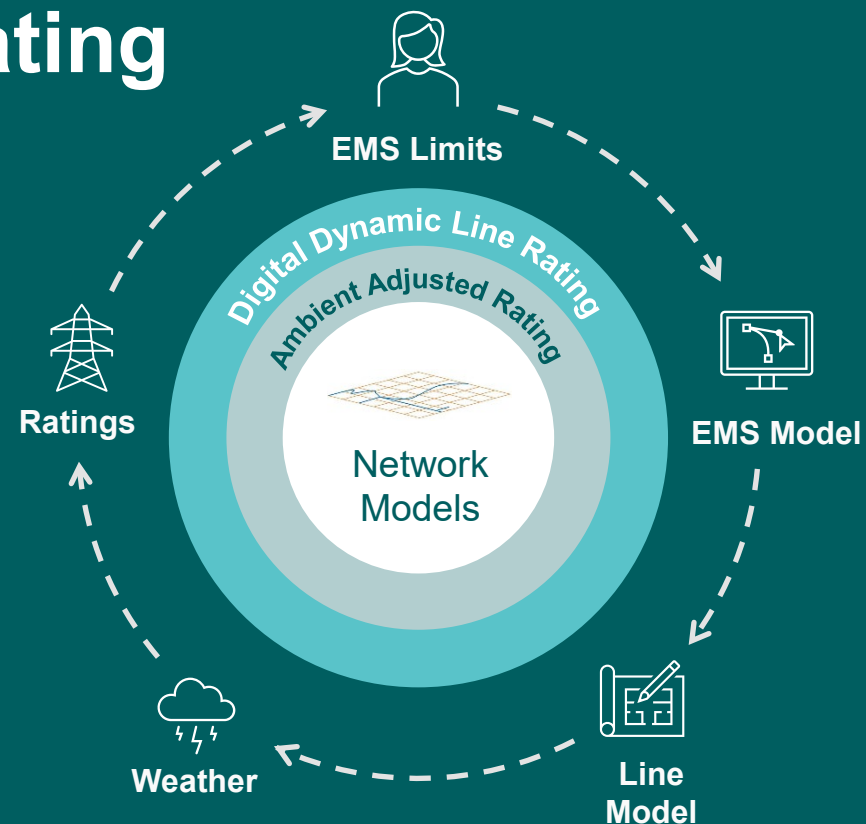# GridOS® Digital Dynamic Line Rating

DDLR is designed to combine GIS, EMS, Asset data with weather data to generate ratings at high speed and volume.

Key Features within DDLR:

- ✓ Full network coverage with a new "approach" to combine GIS model into effective EMS rating calculation for the conductors and facilities.

- ✓ A "Field Sensor-free" computation of Realtime & 10-day Forecasted Dynamic Line Ratings in compliance with IEEE std. 738

- ✓ Two Configurable Computation Models – "DLR Mode" & "AAR Mode" (Ambient Adjusted Rating).

- ✓ Actual Dynamic Ratings (i.e. Normal, Emergency, N-Modes) to comply with the Ferc 881 & Beyond (Sub-transmission, Distribution).

- ✓ Configurable Effective Dynamic Ratings to comply with the FAC-008 (Coders next most limiting components) for substation equipment

Digital Dynamic Line Rating

Ambient Adjusted Rating

Network Models

EMS Limits

EMS Model

Line Model

Weather

Ratings

Flexible weather **data ingestion is available with hourly refreshed values for temperature, wind speed, direction, and atmospheric conditions** to dynamically calculate ratings.