

4.10 Controlling and Monitoring the Simulation

Once the VeriStand project has been successfully deployed, we can control and monitor the simulation. Open the **Workspace** file, *Dual PMSM SH Local Controller.nivscreen*, from the **Project Files** tab in the VeriStand Editor to view the user interface. Manipulate the **Speed Setpoint** and Load Torque parameters and observe the resulting voltage and current waveforms as the machine runs.

i Due to its configured parameters, the PMSM machine in this example has a nominal speed between 2000 and 3000 RPM. The system can become unstable if the speed surpasses 3000 RPM, or if the **Ramp Rate** or **Load Torque** are too high.

