The 1238 Thermal Vacuum Bakeout Chamber is used to test hardware with sensitive surfaces for the purpose of contamination measurement. The current system was partially automated. Two viable options for upgrading existed: Leaving the existing controller intact or replacing the existing control unit with a new programmable controller.

THERMAL VACUUM BAKEOUT CHAMBER

The upgrade process involves the implementation of a programmable controller, a graphical user interface (GUI), and automation of some system devices that are being operated manually.