E²G's Intellijoint software is a total solution to bolted joint leakage. The only way to reliably solve bolted joint leakage is to attack the joint as a whole by examining and optimizing all of the factors that contribute to leakage.

JOB MANAGER

Job Manager provides access to the following:

- Engineering features for creating/editing joints, optimizing gasket loads, and developing assembly procedures.
- Field features for Work Pack creation and retrieval, joint history checks, and adding or viewing joint inspection histories.
- Default features for creating/editing users, gaskets, fluids, assembly equipment, and global settings.
JOINT DATA

JOINT
General information, joint configuration and design, and operating conditions

FLANGE
Flange material and dimensions

GASKET
Gasket dimensions and material and shape specifications

BOLT
Bolt dimensions and materials, Bellville washer information, and Split Ring information

Additional tabs appear as joint type

COMPARE GASKETS AND OPTIMIZE

Compare as many as five gaskets and adjust critical parameters. A GREEN section on the bar graph indicates a leak-free design.

- Bolt Yield Stress and the limiting component are shown above the bar graph
- Gasket Stress is shown below the bar graph
- Sliders on the left allow you to adjust the bolt stress, gasket outside diameter, and gasket width
### WORK PACK

Create Joint Assembly, Gasket Optimization, and Online Joint Tightening Sheets. These can be combined in Work Packs and serve as travelers for use in the field.

When the “Leak” flag is checked in an Inspection Record, there is an option to create an Online Joint Tightening Sheet, which will calculate the number of turns needed to tighten the joint and develop a bolting procedure for tightening.