



## PROJECT PROFILE

### LPG LOADING FACILITY FEASIBILITY STUDY

#### CLIENT CHALLENGE

A large well known Canadian supplier of Liquid Propane Gas was challenged with ongoing problems related to outdated facility operations and systems in their distribution networks and desired to improve the efficiencies and costs of facility operations. Prior to the incorporation of Palladium Product Development & Design several current Palladium personnel were retained to investigate and report on findings for improvements. The main criteria for improvements were automation, operational safety, ergonomics and productivity. The team was selected for their Project Management credentials as well as extensive experience in material handling and transportation systems in the nuclear, mining and manufacturing arenas.

#### SOLUTION

Over a period of several weeks, the team observed the facility operations, and identified and collected information related to potential improvements. The information was evaluated and detailed in a report that outlined the operations, recommended improvements and related benefits. The report provided information that was grouped by operation sequence and suggested improvements.

#### PROJECT HIGHLIGHTS

- LPG standard industry practices and cross industry investigations resulted in recommended changes, which improved ergonomics, safety and productivity.
- Areas were identified for automation and system improvements, which ultimately created delivery and cost improvements for the client.

#### SUSTAINING ENGINEERING

Sustaining engineering of this nature is provided by Palladium Product Development & Design on an ongoing basis for many products, industries and companies such as the case history described above. Many of the same personnel are still active and providing services to past clients they have served, with continued upgrades and product improvement programs. Design modifications related to manufacturing, packaging and transportation efficiencies, researched quality improvements and implementation of client/user feedback are routinely implemented as a result of these analyses and design services.

