



#### PIPELINE COATING ASSESSMENT

##### Key Capabilities:

- Pipework Assessment
- Costing

#### Overview

Our Client supplies approximately a quarter of all Australia's petroleum products. They include petrol, liquefied petroleum gas (LPG), diesel, aviation fuel, propylene, solvents and bitumen. The Melbourne distribution terminal receives stores and distributes fuel products via existing pipelines.

The surface coating condition of the product pipelines required assessment to ascertain a structured and methodical repair program, systematically ensuring the protection of the integrity of the parent pipeline material.

#### Scope

The scope of work included the following:

- Rationalising existing general piping layout drawings into a single layout diagram;
- Mapping of the as built pipework, and subsequently updating the overall layout diagram;

- Inspecting and assessing pipework using the client engineering specification as the basis;
- Reporting of condition within a database to enable sorting to different variables;
- Costing of repair program for inclusion in budget preparation.

#### Challenges

- Over 15km of pipework within current distribution terminal;
- Existing drawings required significant updating to reflect installed pipework;
- Pipework complexity complicated general layout mapping;

#### Solutions

- Site grid system used as the basis of recording data;
- Systematic approach ensured complete assessment of pipework, and maintained efficient resource utilisation;
- Constant updating of recorded data confirmed information integrity;

#### Outcomes

Greater than 15km of pipework inspected and mapped;

Database developed to quickly interpret data;

Photos of pipework, within grid matrix, enabling visual reference of specific piping areas;

Budget pricing obtained from specialist subcontractors to link into repair program budget allocation.

#### Want to Know More?

For more information please contact our office on +61 (03) 9326 9384, email [info@vectagroup.com.au](mailto:info@vectagroup.com.au), or visit our website [vectagroup.com.au](http://vectagroup.com.au)