

The image features a large, stylized title 'API 2350 Success Stories' overlaid on a background photograph of an industrial oil storage facility. The facility includes several large, cylindrical storage tanks with blue and white horizontal bands, and various pipes and walkways. The text 'API 2350' is in a bold, white, sans-serif font, while 'Success Stories' is in a black, cursive script font. The background image is slightly faded to make the text stand out.

API 2350 Success Stories

Application: Tank Level Monitoring
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As part of continued safety improvements and to provide verification of systems defined as critical to the safety of the storage tank facilities, one of Letico's Clients, a major oil company, has asked Letico to review to their current operating practices.

The intent was to:

- Identify level related alarm gaps,
- Provide recommendation to rectify those
- Quantify tank level alarm setting at various fuel storage terminals across Canada.
- Confirm compliance with Client's engineering practices defining the minimum engineering and system configurations required for storage tank level alarm systems.
- Ensure acquiescence with the requirements for gauging and independent level alarms for atmospheric tanks (Fixed roofs both with and without IFRs)
- Consider the recommendations of the Buncefield Incident Final report of the Major Incident Investigation Board as well as API 2350 Overfill Protection for Storage Tanks in Petroleum Facilities Fourth Edition.
- Modify in service tanks to comply with API 2350 Fourth Edition
- Calibrate ATG systems with reference to the independent level devices.

Recommended Practice API 2350 Fourth Edition provided structured guidance and proposed the steps required to achieve compliance. Due to the novelty, adopting the new API 2350 was a substantial challenge. API readiness kit published by Magnetrol provided valued guidance in the interpretation and application of the standard. The Audit Workbook proved especially helpful by highlighting and helping document the specific requirements for:

- Tank Inventory (Section 1)
- Risk Assessment (Section 2)
- Operating Parameter Definition (Section 3)
- Overfill Prevention System (Section 4)
- Management System and Overfill Prevention Process (Section 4)

