# **ASSET RETIREMENT OBLIGATIONS**

ASSESSMENT, ADVISORY, AND AUDIT FOR END-OF-LIFE ASSETS.





### WHY WORK WITH US

360 was purposefully built to support our clients with Asset Retirement Obligations (ARO).

Focusing resources on the changing landscape of ARO can often be costly and difficult to understand. Our team helps you assess, manage, quantify, and prioritise your asset retirement obligations. We guide you through a deep understanding of liability management and each step of the retirement phase, ensuring regulatory compliance and reduced risk throughout. Our industry-leading methodologies are anchored in up-to-date regulation changes and updates affecting ARO, and have been vetted by financial auditors, industry regulators, and closure professionals to maintain execution accuracy and financial integrity.

#### **OUR SERVICES**

- ARO assessment and strategy
- ARO audits and advisory
- Auditor engagement (KPMG, PwC, Deloitte, EY)
- SEC abandonment cost reporting advisory and support
- Merger & Acquisition analysis and assessments
- Site closure strategy and advisory
- Field studies on reserves, production, and asset life expectancy
- Analysis forecasting and planning
- Corporate ESG support

# **GLOBAL EXPERIENCE**

Our team has executed ARO assessments, reserve evaluations, and field studies for energy producers and midstream companies worldwide.

\$23.1 billion

in asset retirement obligations assessed

152,347 +

idle or inactive sites reviewed



**NILS COHRS** 

## THE 360 ARO METHODOLOGY, A SIX-STAGE APPROACH

### 1. RECONCILE ASSET LISTS

360 will reconcile the asset lists provided with information published by local regulator

# 2. ASSIGN ASSETS INTO GEOGRAPHICAL AREAS

360 will assign the assets into geographical areas based on environmental conditions, proximity to service centres, and geographical considerations

# 3. ASSET CHARACTERISATION

360 will characterise the assets through a desktop review process

### 4. ARO MODELLING

360 will calculate ARO on each of the assets for 5 closure stages

- Well Abandonment
- Facility Abandonment
- Pipeline Abandonment
- Remediation
- Reclamation

### 5. ARO SCHEDULE

360 will populate an ARO schedule in accordance with the respective regulatory timelines

### 6. REPORTING

360 will publish a report summarising the ARO and detailing the methodology used in the assessment

## **ASSET CHARACTERISATION - "THE WATERFALL"**



Stratify wellbores according to depth, completion type, and additional parameters affecting ARO based on real world execution data



Review historical well files, facility files, and environmental files to assess operating history, drilling practices and closure costs



Assess wells through satellite imagery to catalogue construction practices and land use

360



Inventory the major components on facilities



Classify the features of each pipeline segment corresponding to ARO



Normalise the site-specific liability assessments and other historical cost estimates to current standards



Analyse historical spills associated with the assets