

# WE ARE XODUS.

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# **BURNING MONEY?**

# Integrated Thinking = Overall emissions savings of > 20%

### 2030. Your licence to operate.

EMISSIONS PATHWAY

## **EMISSIONS REDUCTION PATHWAY**



# **POSITIVE MINDSET**









#### Transformation

#### 20% Reduction Overall

#### **Power reductions**

Innovation and investment



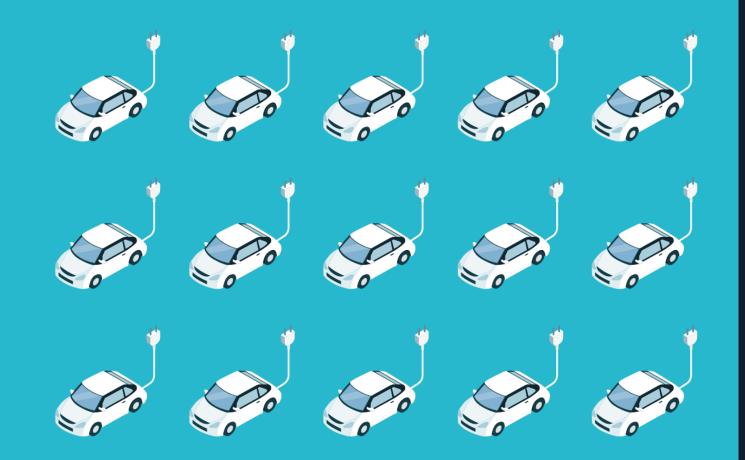
## **CULTIVATE CULTURE**



# **CULTIVATE CULTURE**

Our decisions as employees of the energy industry are huge:

- 2 hours slug catcher
  venting led to 180 tonnes
  of emissions
- 15 hybrid cars driven
  150,000 miles saves 180
  tonnes of emissions



# **UNDERSTAND YOUR EMISSIONS**

Establish a robust emission baseline

- Can be complex
- Costly to get wrong

- FUGITIVE 1%
- REFRIGERANT 0.5%
- LIQUID FUEL 10.3%
- **FLARING 13.8%**
- **VENTING 6.9%**
- **FUEL GAS 67.5%**



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# **IDENTIFY OPPORTUNITIES**

#### Operational improvements, control optimisation, plant modifications



# **ENERGY ASSESSMENT**

Methodology proven across industries, assets and countries.

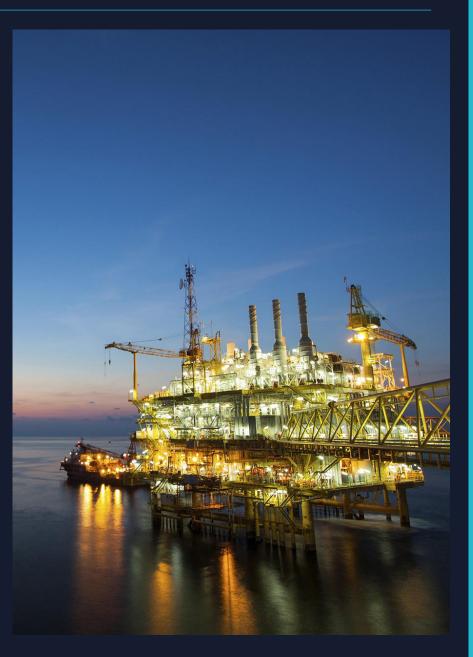
Use knowledge of best practises from over 200 assessments

#### Causes of energy inefficiency:

- Lack of awareness of energy users
- Energy not being considered during design
- Significant change of process since design

#### Outcomes:

- Deeper understanding of emissions and power balance
- Site validated opportunities for reduction



# **ENERGY ASSESSMENT IN ACTION**

Seawater FiltrationIt's how you look at it...

# CompressionLarge MW saving...



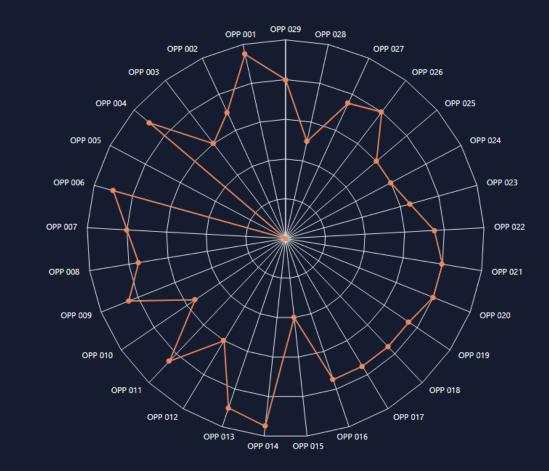
# **QUANTIFY OPPORTUNITIES**

#### Allows ranking of opportunities on equal basis





Standardises the comparison of emissions reduction opportunities. Ranking Criteria: CAPEX, Emissions Reductions, Lead Time, Feasibility.



**EXPLORE RANKINGS** 

Sort, filter and interrogate automated results in the interactive register

#### **VISUALISE**

View and interact with pre-defined visualisations

#### **CREATE**

Create specific scenarios and compare emissions reduction options

EMISSIONS PATHWAY



# **RANK OPPORTUNITIES**

Standardises the comparison of emissions reduction opportunities. Rank based upon CAPEX, Emissions Reductions, Lead Time, Feasibility etc.





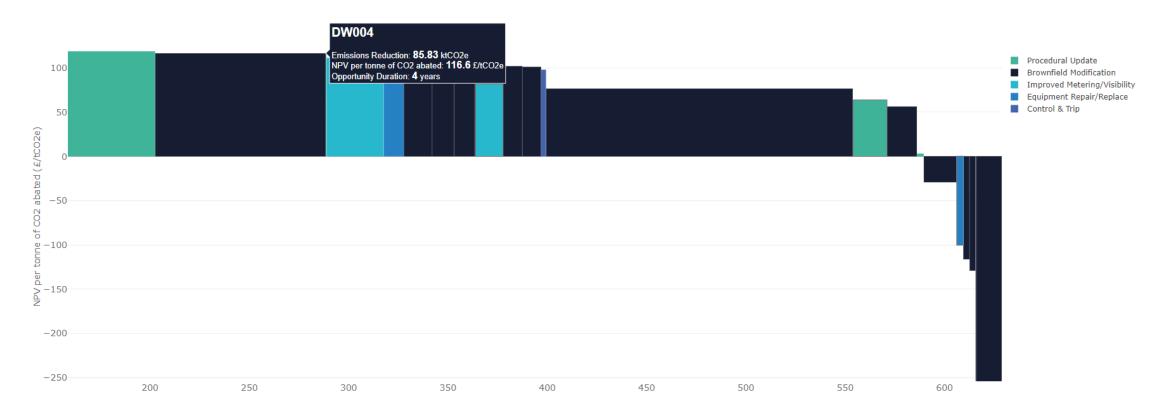
## **TAKE ACTION**

#### Specify bespoke scenarios

Accurately reflect interactions and conflicts between opportunities



#### Assess scenarios – Dynamic visualisation

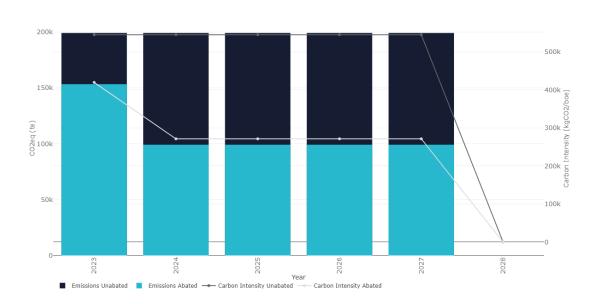


#### Marginal Abatement Value Curve – Maximum Abatement

MAVC shows each opportunity's value added (NPV) per tonne  $CO_2$ eq abated. Width of column shows emissions reduction, with height showing NPV i.e. wider, higher bars represent highest emissions reduction for highest value.

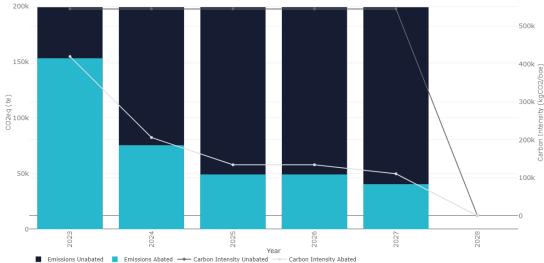
# **TAKE ACTION**

#### Compare projections – Projection of emissions reduction over life of field to aid decision making



Emissions outlook

Emissions outlook



EMISSIONS PATHWAY

## **SUMMARY**

LIVE. ACCESSIBLE. UPDATED.



CULTIVATE CULTURE & POSITIVE MINDSET



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