

A silhouette of a worker wearing a hard hat, standing on a metal structure at an industrial site. The sun is low on the horizon, creating a bright glow and lens flare effect. The background shows various industrial pipes and structures.

# **EUNISELL LIMITED**

# TECHNICAL CAPABILITY PRESENTATION

# Agenda

**1** INTRODUCTION:  
Overview of  
Eunisell

**2** WHAT WE DO  
Products &  
Services

**3**

**Past Projects**

**4** Innovative Chemical  
Solutions

**5** CONCLUSION/DISCUSSIONS



Over the past 27 years, our mission has been to deliver world-class solutions to the vibrant and challenging African environment our customers operate in.

Our commitment to employing the best-in-class specialists and partnering with leading global technical companies, has given us the reputation for being one of Africa's leading solutions management companies - An accolade we cherish and one that we nurture.

Our ISO 9001:2015 certification is an important milestone for Eunisell and underlines our commitment to maintaining international standards in our quality management systems, processes and service delivery.

Over the years Eunisell Limited has been at the forefront of delivering sustainable chemical solutions in both offshore and onshore oilfields across Nigeria.

As an Engineering solution provider we excel in providing Early Production Facilities , managing and maximizing asset values.

Our vision is to be the leading chemicals and production engineering solutions provider in Africa. We offer a full range of technical services to complement our wide range of specialty products.

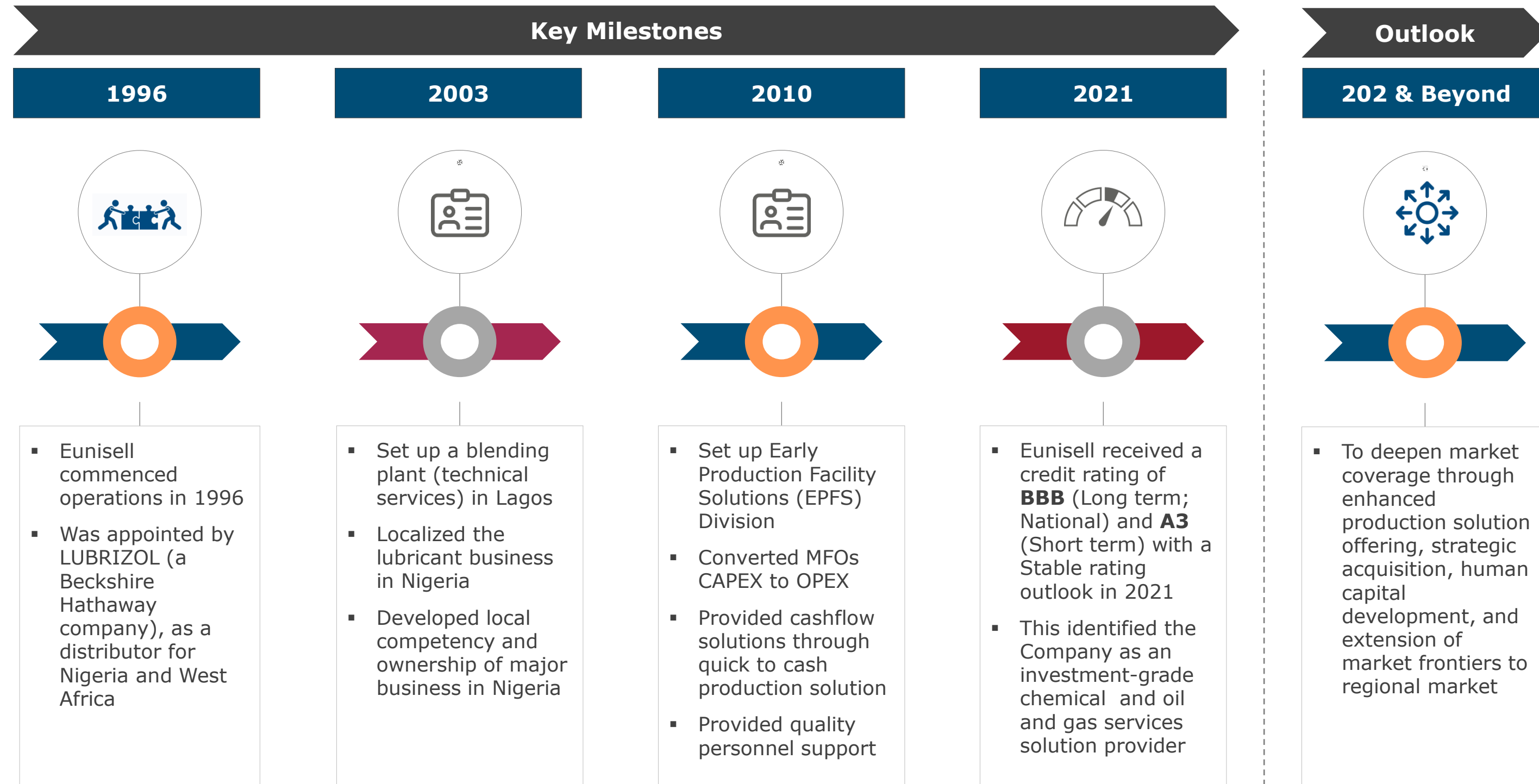
We will continue to invest and expand our services to the wider region and broaden our customer base.



# About Eunisell

## History and Key Milestones

Over the past 27 years, Eunisell has demonstrated capacity in sales and manufacturing of world-class products to the needs of its clients within the manufacturing, oil and gas, construction, industrial, hygiene and beauty care leading to production efficiency, cost optimization and overall customer growth.







# CORPORATE SOCIAL RESPONSIBILITY

- Eunisell is actively involved in community and sports development
- Our initiatives are helping change lives in communities where we sponsor Nigeria's future captains of industry through school support programs .In football, the introduction of the Eunisell Boot Award for the highest goal-scorer in the NPFL, is changing players' lives through financial reward and increasing interest and support in the Nigerian professional league. Our support for Rivers United FC in Harcourt, is helping to raise the club's standards through sponsorship



Eunisell Limited



Chemical Solutions



Production Solutions

# SERVICES

PRODUCTION  
FACILITIES

PRODUCTION  
ENHANCEMENT

OPERATIONS &  
MAINTENANCE

WELL SERVICES

PRODUCED WATER  
MANAGEMENT

GAS PROCESSING

# SERVICES

PRODUCTION  
FACILITIES

PRODUCTION  
ENHANCEMENT

OPERATIONS &  
MAINTENANCE

WELL SERVICES

PRODUCED WATER  
MANAGEMENT

GAS PROCESSING



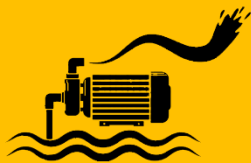
EARLY PRODUCTION  
FACILITIES



FACILITIES UPGRADE &  
REPAIRS



PRODUCTION  
SUPPORT & RENTALS



PUMPING SERVICES



# SERVICES

PRODUCTION  
FACILITIES

PRODUCTION  
ENHANCEMENT

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PRODUCTION  
SUPPORT & RENTALS



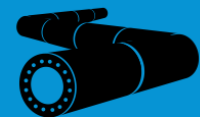
PUMPING SERVICES



ENHANCED PRODUCTION  
SOLUTIONS



SAND MANAGEMENT



PIPELINE FLOW  
ASSURANCE

# SERVICES

PRODUCTION  
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PRODUCTION  
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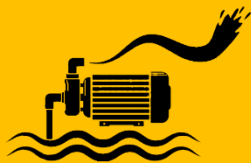
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PRODUCTION  
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PUMPING SERVICES



ENHANCED PRODUCTION  
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SAND MANAGEMENT



PIPELINE FLOW  
ASSURANCE



OPERATIONS &  
MAINTENANCE



DATA SERVICES



# SERVICES

## PRODUCTION FACILITIES



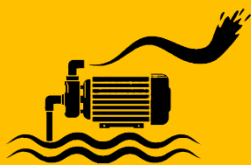
EARLY PRODUCTION FACILITIES



FACILITIES UPGRADE & REPAIRS



PRODUCTION SUPPORT & RENTALS



PUMPING SERVICES

## PRODUCTION ENHANCEMENT



ENHANCED PRODUCTION SOLUTIONS



SAND MANAGEMENT



PIPELINE FLOW ASSURANCE

## OPERATIONS & MAINTENANCE



OPERATIONS & MAINTENANCE

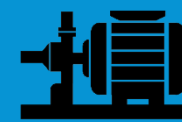


DATA SERVICES

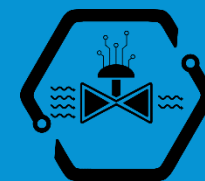
## WELL SERVICES



WELL TESTING SERVICES



PUMPING SERVICES



WELL FLOWBACK & CLEANUP



DRILL STEM TESTING



MULTIPHASE FLOW

## PRODUCED WATER MANAGEMENT

## GAS PROCESSING

# SERVICES

## PRODUCTION FACILITIES



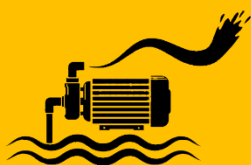
EARLY PRODUCTION FACILITIES



FACILITIES UPGRADE & REPAIRS



PRODUCTION SUPPORT & RENTALS



PUMPING SERVICES

## PRODUCTION ENHANCEMENT



ENHANCED PRODUCTION SOLUTIONS



SAND MANAGEMENT



PIPELINE FLOW ASSURANCE

## OPERATIONS & MAINTENANCE



OPERATIONS & MAINTENANCE

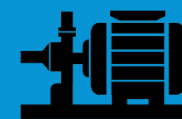


DATA SERVICES

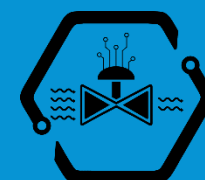
## WELL SERVICES



WELL TESTING SERVICES



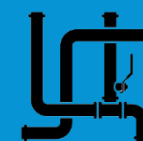
PUMPING SERVICES



WELL FLOWBACK & CLEANUP



DRILL STEM TESTING



MULTIPHASE FLOW

## PRODUCED WATER MANAGEMENT



DEHYDRATION SERVICES



PRODUCED WATER TREATMENT



PRODUCED WATER INJECTION

## GAS PROCESSING



# SERVICES

## PRODUCTION FACILITIES



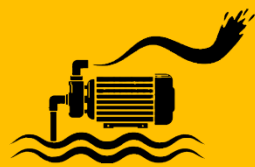
EARLY PRODUCTION FACILITIES



FACILITIES UPGRADE & REPAIRS



PRODUCTION SUPPORT & RENTALS



PUMPING SERVICES

## PRODUCTION ENHANCEMENT



ENHANCED PRODUCTION SOLUTIONS



SAND MANAGEMENT



PIPELINE FLOW ASSURANCE

## OPERATIONS & MAINTENANCE



OPERATIONS & MAINTENANCE



DATA SERVICES

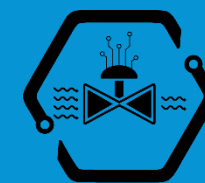
## WELL SERVICES



WELL TESTING SERVICES



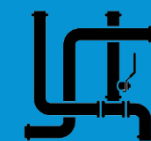
PUMPING SERVICES



WELL FLOWBACK & CLEANUP



DRILL STEM TESTING



MULTIPHASE FLOW

## PRODUCED WATER MANAGEMENT



DEHYDRATION SERVICES



PRODUCED WATER TREATMENT



PRODUCED WATER INJECTION

## GAS PROCESSING



GAS PROCESSING



OFFTAKE SERVICES

# PROJECTS

## CHALLENGE:

- Remote Swamp Location
- Cash Flow

## SOLUTIONS:

Eunisell deployed a 10,000 barrel per day Barge Mounted Early Production Facility.

- Oil was achieved in record time.

## VALUE

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- Decapitalized the cost of production. Converting CAPEX to OPEX
- Provided Early Cash Flow
- Facilitated drilling of more developmental wells





# PROJECTS



**Challenge:** • Turnkey Project & First Oil

Solutions

EPCIC of Production and Storage Facility  
BOT.

Value

Cost Savings

First Oil was achieved in record time

• Achieved 0.5% BSW from 80% water cut

• Produced export quality crude oil

# PROJECTS

## Challenge:

- Remote Swamp Location
- High Water Cut
- Emulsions

## Solutions :

- Eunisell deployed an Early Production Facility.
- Mechanical and Chemical Solutions to Water Treatment

## Value

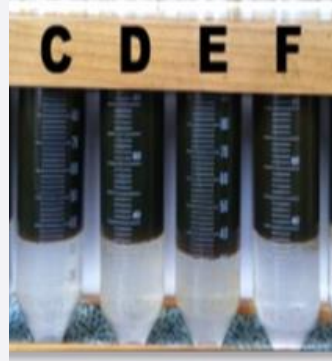
- Achieved 0.5% BSW from 80% water cut
- Produced export quality crude oil







# INNOVATIVE CHEMICAL SOLUTIONS



## Crude Oil dehydration Chemicals

- Demulsifiers •Sludge breakers•  
Flow assurance chemicals



## Water treatment Chemicals

- De-oilers•Biocides •Oxygen Scavengers



## Corrosion Mitigation

- Multi-phase inhibitors
- Gas-phase inhibitors
- Liquid-phase inhibitors
- Residual Analyses
- Preparation of Analytical buffer  
solutions



# HFO PPD Deployment

## Challenge;

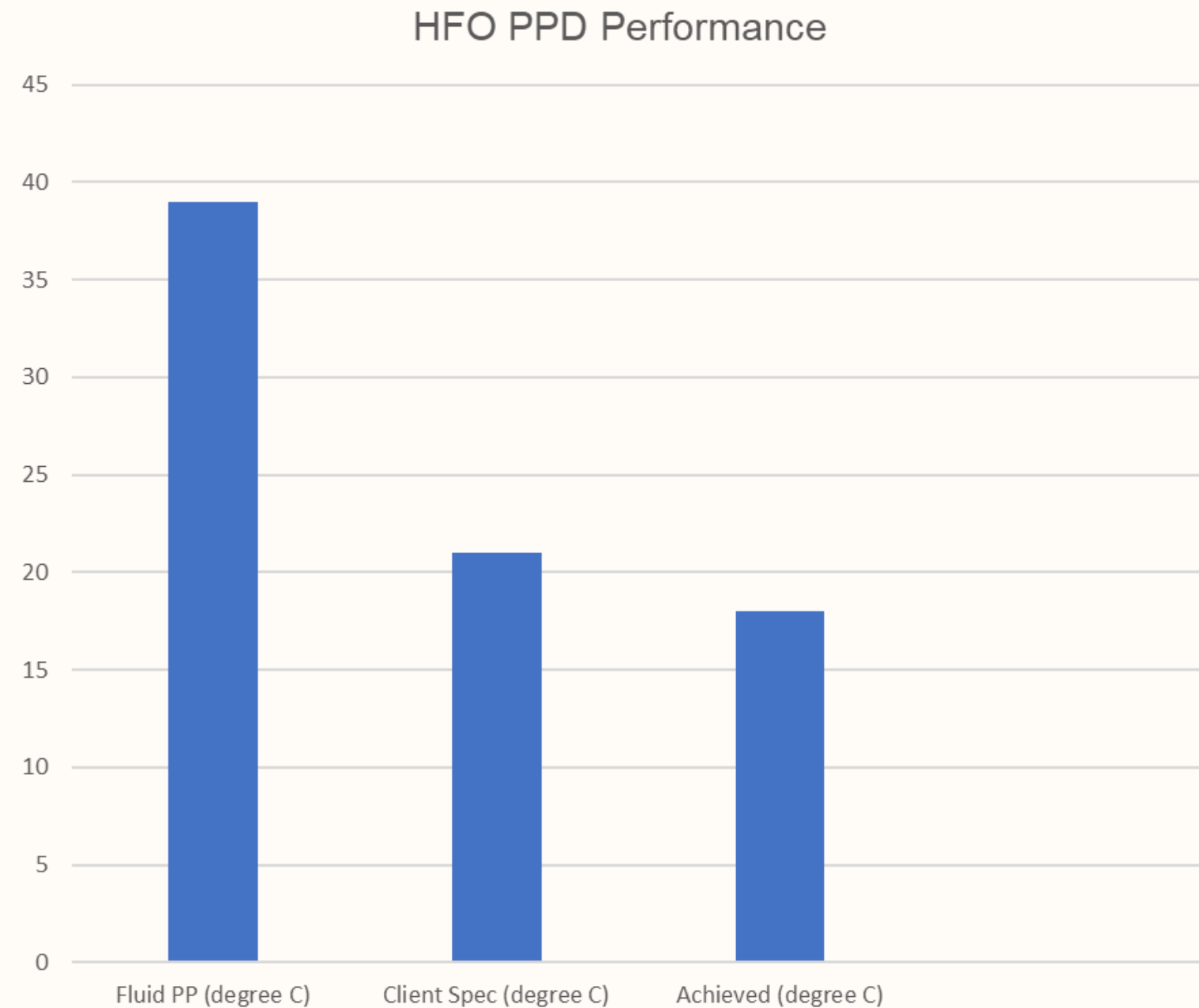
- A client in the refinery sector had challenges flowing their Heavy fuel Oil.
- Pour point of fluid was 39 degree C.

## Solution;

Eunisell deployed a product that brought down the pour point of the fluid to 18 degree C.

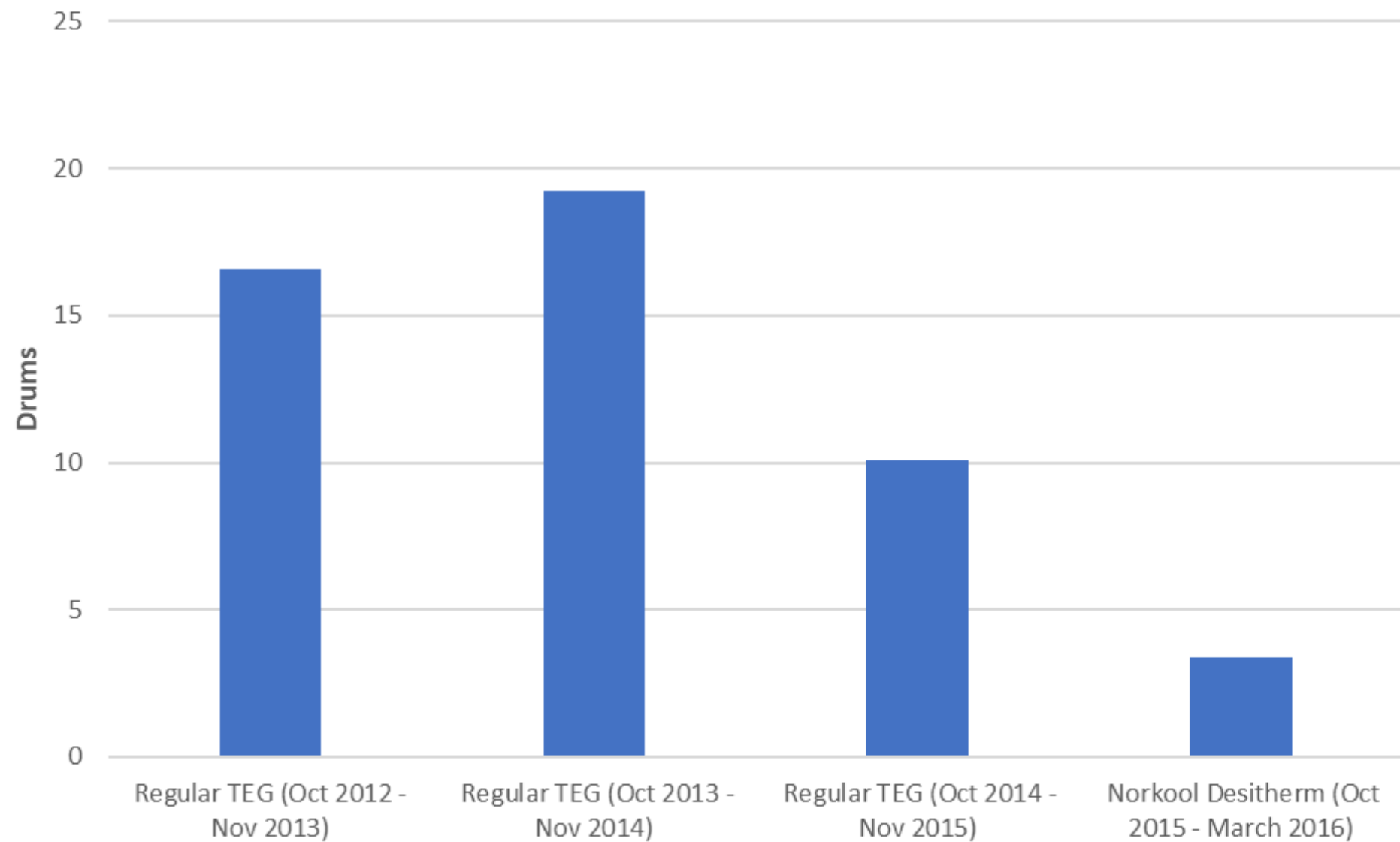
## Value;

A significant reduction in OPEX up to 10%



# Improved Gas Dehydration Technology

Average Monthly Top-up Rate



Consumption; Average Monthly Top-up

The principle driving the introduction – Glycol degradation due to high temperatures in the regeneration unit.

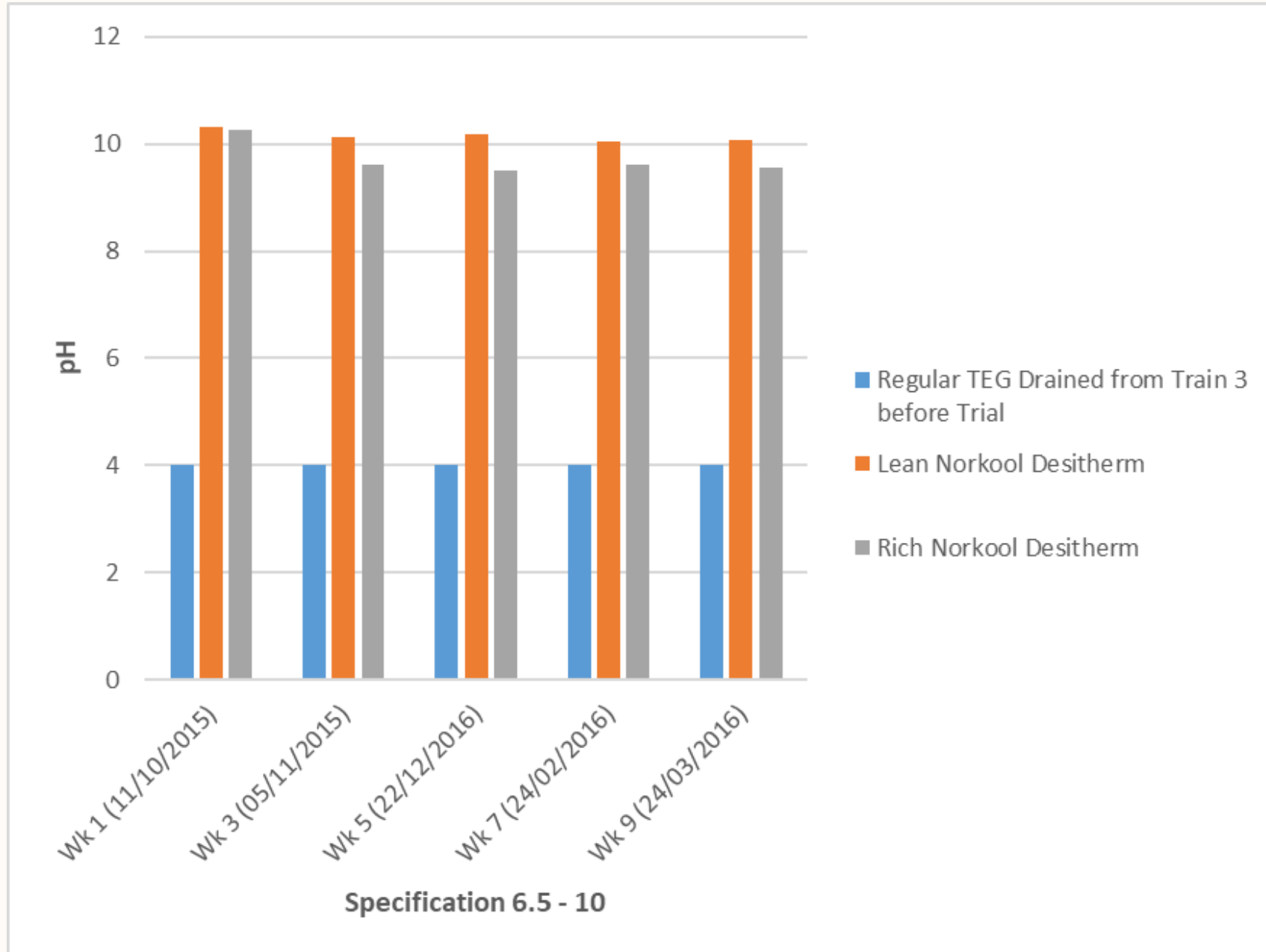
Resulting in the formation of organic acids such as glycolic, formic and acetic acids, in a process known as glycol degradation.

This process forces the system's pH down to an unstable level, causing the pure glycol to become corrosive and leaving the system unprotected.

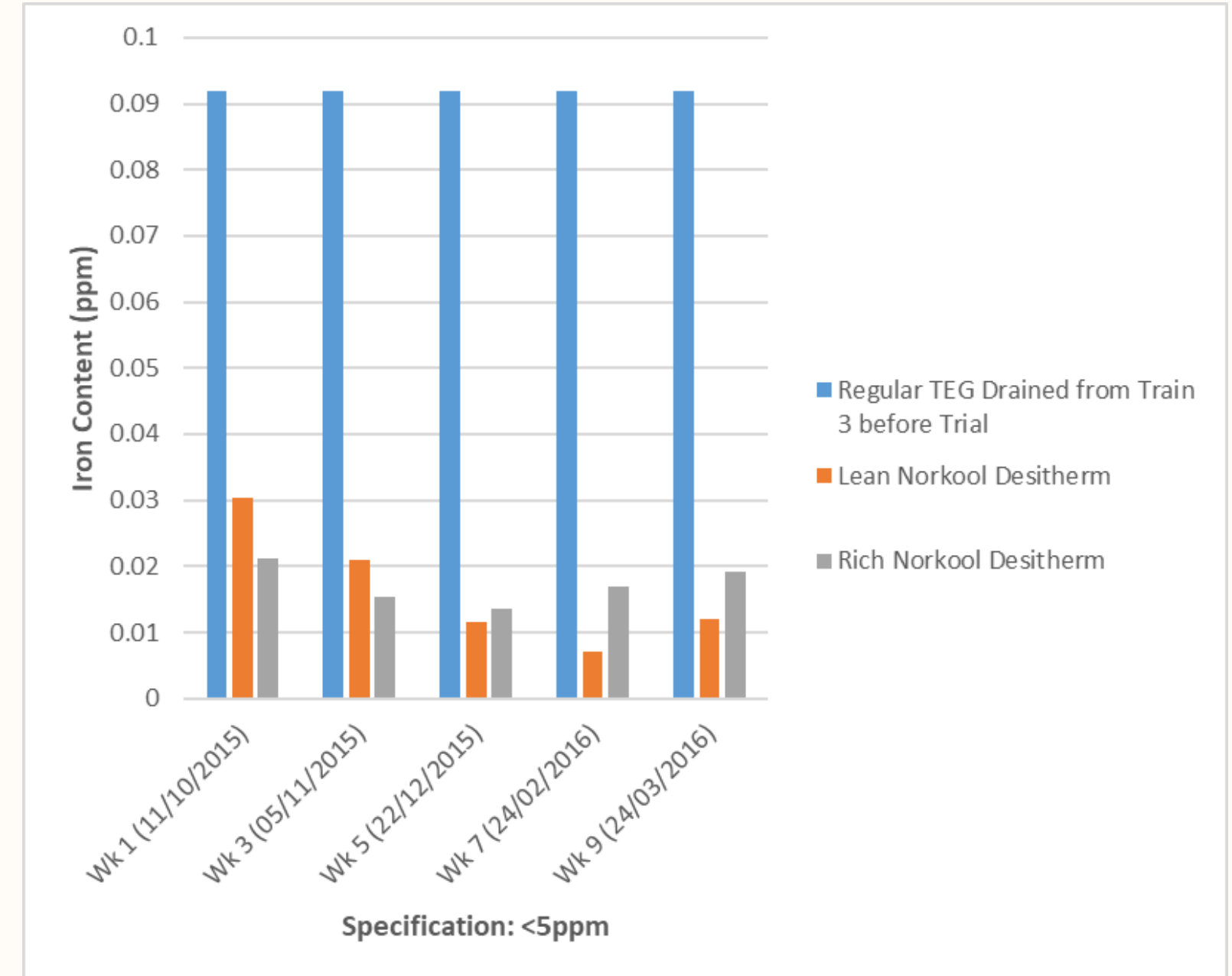
Eunisell introduced to this client, an inhibited TEG-based desiccant that can extend the life of gas dehydration systems and protect valuable assets



# Improved Gas Dehydration Technology



pH comparison of ND and TEG



Iron content comparison of ND and TEG

# NAPHTHENATE RESOLUTION



## Challenge;

- Sludgy deposits on production equipment. Restricting flow of fluid.
- Sludge accumulating on saver pit too. Regulatory compliance issues

## Solution;

- Source-tracing and experimentation to define the problem.
- Further chemical analyses and field trial of solution technology

## Value

Resolution of problem and continuous injection.  
Un-locking more barrels



# Equipment Gallery

pumps



surface safety valve



seperators



water treatment unit



sand trap





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**THANKS!**  
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