

SSEN Transmission

Our Journey towards world-class Asset Management Performance

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The Timeline of our Transformation Story



AM Maturity Self-Assessment

2018 – Understanding the need & identifying the drivers for change



2018/19 – Developing our Asset Management Vision & Strategy



AMCL+

2019 – 2023 – The Transformation of our Organisation



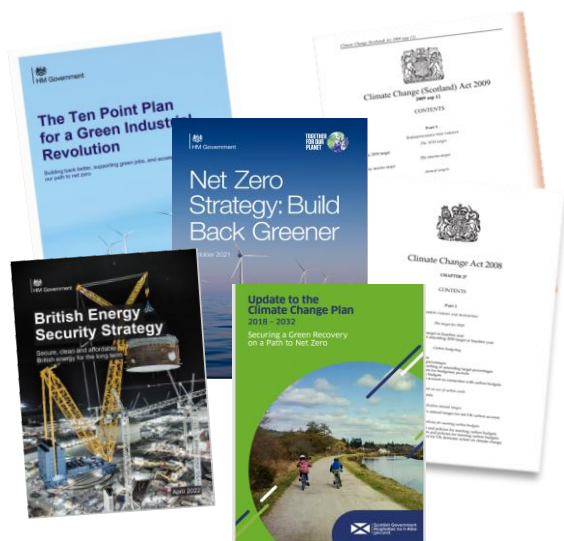
AMCL+



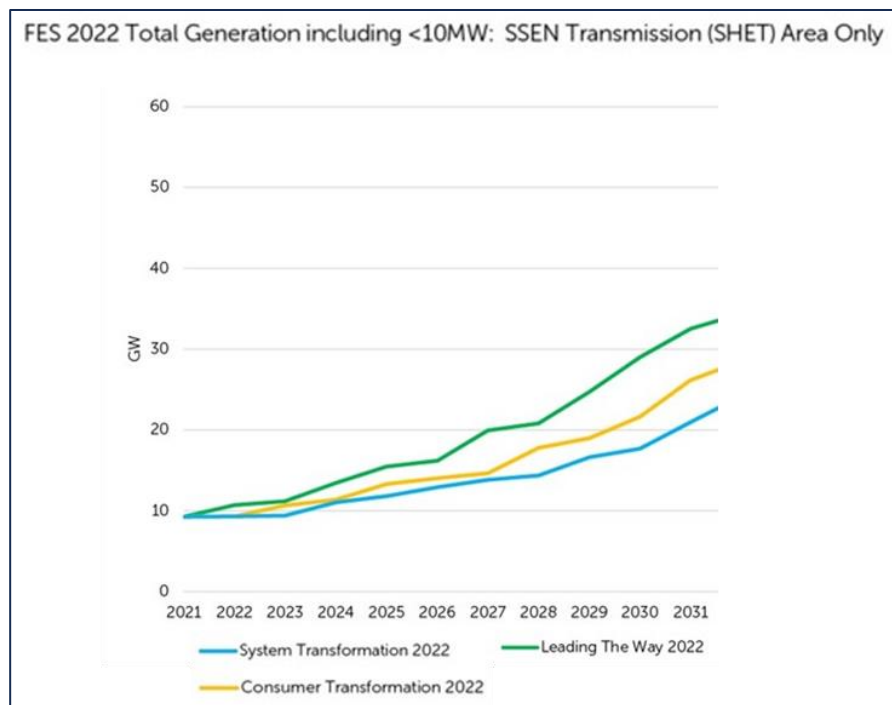
2023 - 2026 – Our next steps towards 'world-class' performance

2018 – The drivers for change in our network

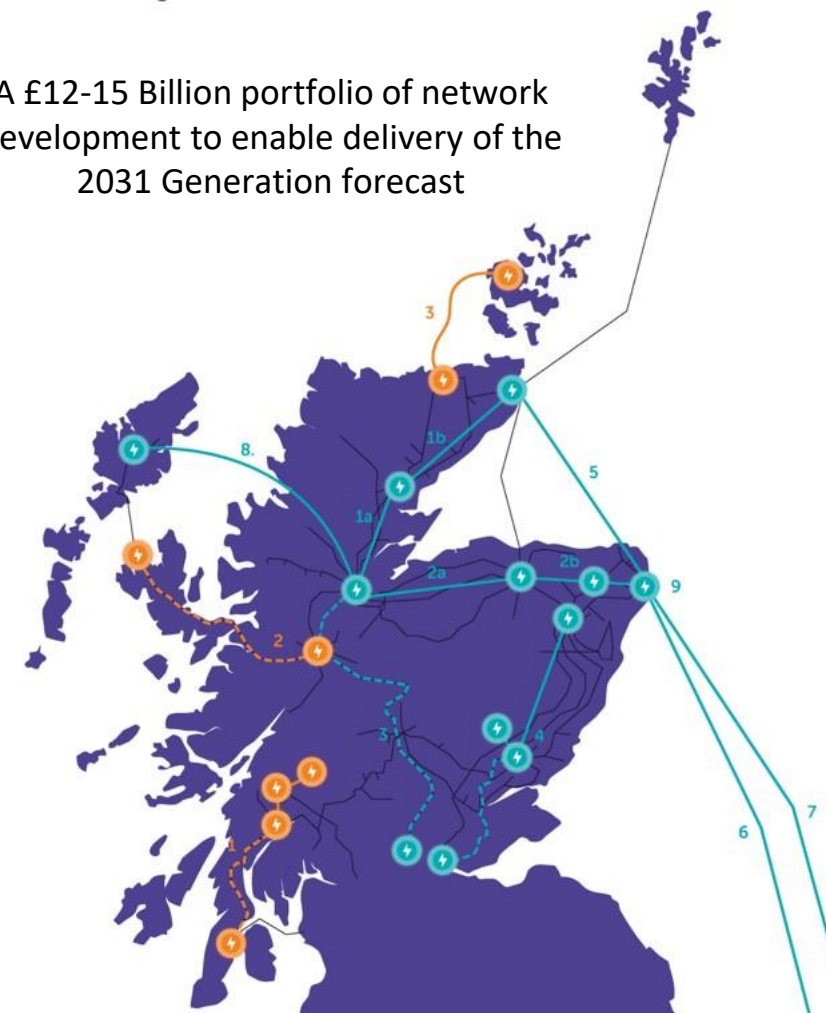
UK & Scottish Government
Renewable Generation Targets
and Net Zero Legislation



Renewable Generation forecast to grow
from 6GW in 2018 to 32GW in 2031



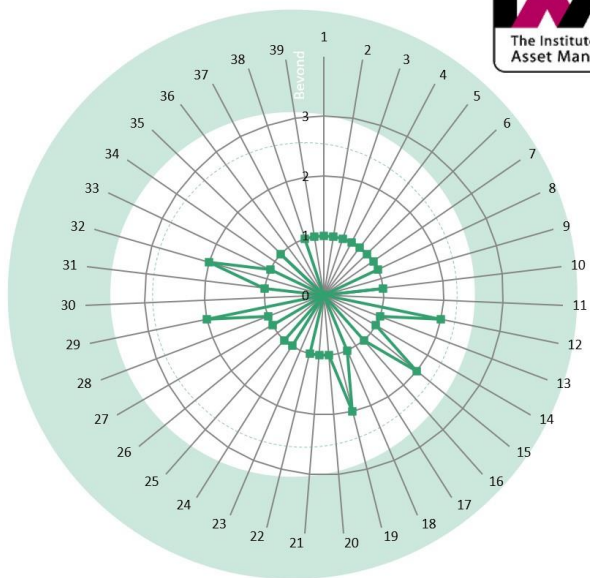
A £12-15 Billion portfolio of network
development to enable delivery of the
2031 Generation forecast



2018 – The drivers for change in our organisation

No Clause

- 1 Asset Management Policy
- 2 Asset Management Strategy & Objectives
- 3 Demand Analysis
- 4 Strategic Planning
- 5 Asset Management Planning
- 6 Capital Investment Decision-Making
- 7 Operations & Maintenance Decision-Making
- 8 Life Cycle Value Realisation
- 9 Resourcing Strategy
- 10 Shutdowns & Outage Strategy
- 11 Technical Standards & Legislation
- 12 Asset Creation & Acquisition
- 13 Systems Engineering
- 14 Configuration Management
- 15 Maintenance Delivery
- 16 Reliability Engineering
- 17 Asset Operation
- 18 Resource Management
- 19 Shutdown & Outage Management
- 20 Fault & Incident Response
- 21 Asset Decommissioning & Disposal
- 22 Asset Information Strategy
- 23 Asset Information Standards
- 24 Asset Information Systems
- 25 Data & Information
- 26 Procurement and supply chain management
- 27 Asset Management Leadership
- 28 Organisational Structure
- 29 Organizational Culture
- 30 Competence Management
- 31 Risk Assessment and Management
- 32 Contingency Planning & Resilience Analysis
- 33 Sustainable Development
- 34 Management of Change
- 35 Assets Performance & Health Monitoring
- 36 Asset Management System Monitoring
- 37 Management Review, Audit and Assurance
- 38 Asset Costing and Valuation
- 39 Stakeholder Engagement



Our SAM+ results identified an AM maturity slightly above 1 – Awareness

External benchmarking – ITAMS - identified an AM maturity of score of 1.4 – Awareness / Developing



Asset Management Performance

■ Avg. — Min-Max ■ BP Avg. — BP Min-Max ◆ 2018, Company: I ◆ 2016, Not a Participant

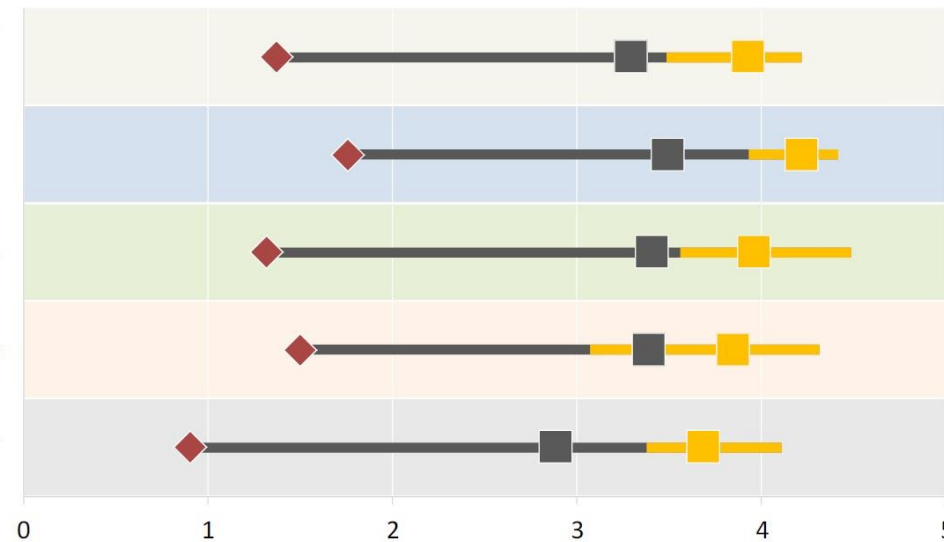
Overall
AM Performance

Operating Model

Process

Competences

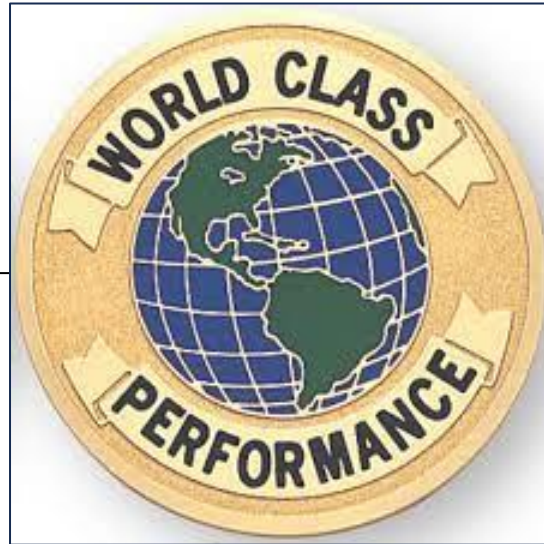
IM & ET



Unacceptable Excellent

Developing our Asset Management Vision & Strategy

Our Vision



“ Our long-term goal, beyond 2026, is to demonstrate world-class Asset Management performance ”

Developing our Asset Management Vision & Strategy

Our Strategy

- 1. Set a realistic timescale for the transformation of our business to achieve 'world-class' Asset Management performance**
 - Obtain key stakeholder agreement for a 2019 to 2026 delivery timeline
 - Establish prioritised list of improvement activities to increase our performance as a business
- 2. Identify key milestones to demonstrate progress towards our goal**
 - 2019/20 – Complete the key performance improvements necessary to ensure we develop our RIIO-T2 Business Plan – 'A Network for Net Zero' to the highest quality
 - 2021 – Achieve ISO55001 Certification as a standalone Transmission business
 - 2023 & 2025 – Benchmark progress on our continual improvement journey via ITAMS
- 3. Get Transmission Executive Committee commitment to support delivery**



2019-2023 The Transformation of SSEN Transmission

£100M TOTEX
Outperformance

£21M
reward

A Risk Based Approach To Asset Management

TAMSG

ASSET MANAGEMENT SYSTEM CERTIFICATION

ISO 55001
CERTIFICATION

SSEN TRANSMISSION
AA1000 STAKEHOLDER
ENGAGEMENT PERFORMANCE

ADVANCED 2023

iam
The Institute of
Asset Management

THE IAM DIPLOMA

iam
The Institute of
Asset Management

THE IAM CERTIFICATE

iam
FOUNDATION
AWARD

Benchmarking

ITOMS – 2023 top quartile performance

ITAMS – 2023 Best Performer / Conference MVP

ITAMS – 2023 AM maturity ahead of target

Performance
Sector Leading
97%+ Network
Availability

Digitalisation – Our 5-year plan to 2026

IBM maximo

esri ArcGIS

AUTODESK VAULT

ea technology CBRM

L2 BIM

Fingertip mobile EAM

Total Work Management

INTEGRATION

IoT

AVEVA OSIsoft TRANSMISSION PI PLATFORM

PREDICTIVE ANALYTICS

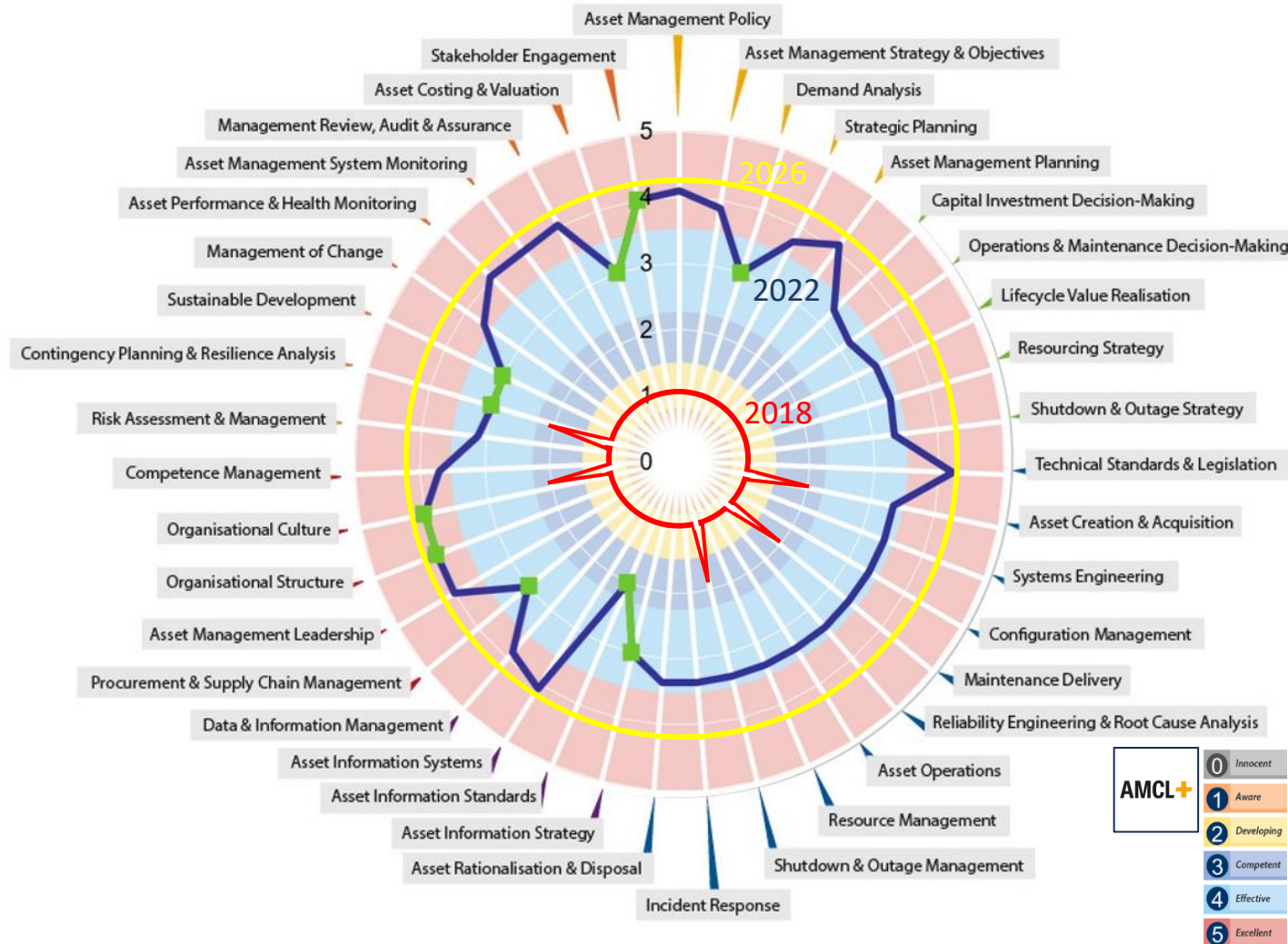
OPEN DATA PLATFORM

Asset Management
Excellence Awards
WINNER 2023

ofgem

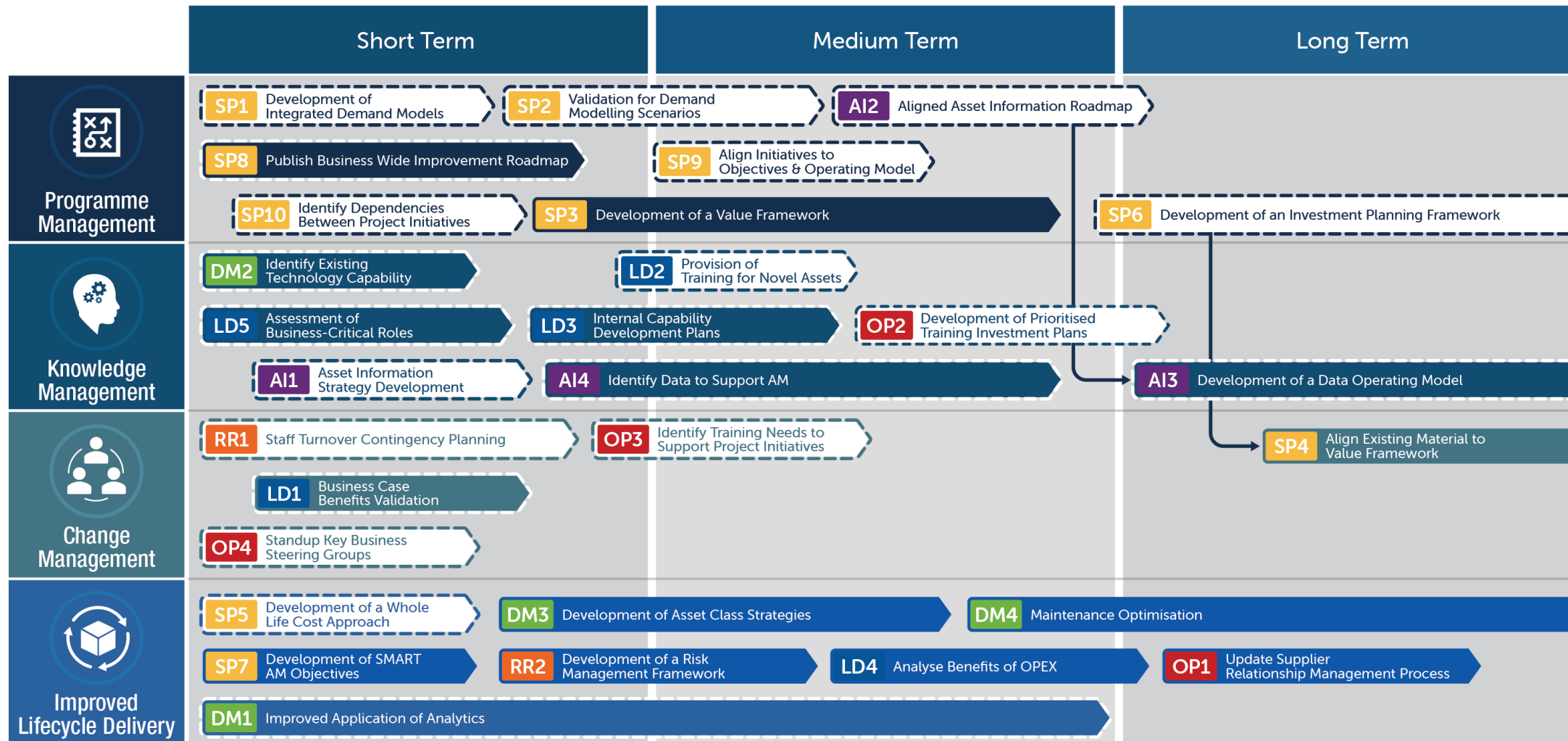
Energy Not Supplied Incentive –
3 consecutive years of zero loss

2019-2023 The Transformation of SSEN Transmission



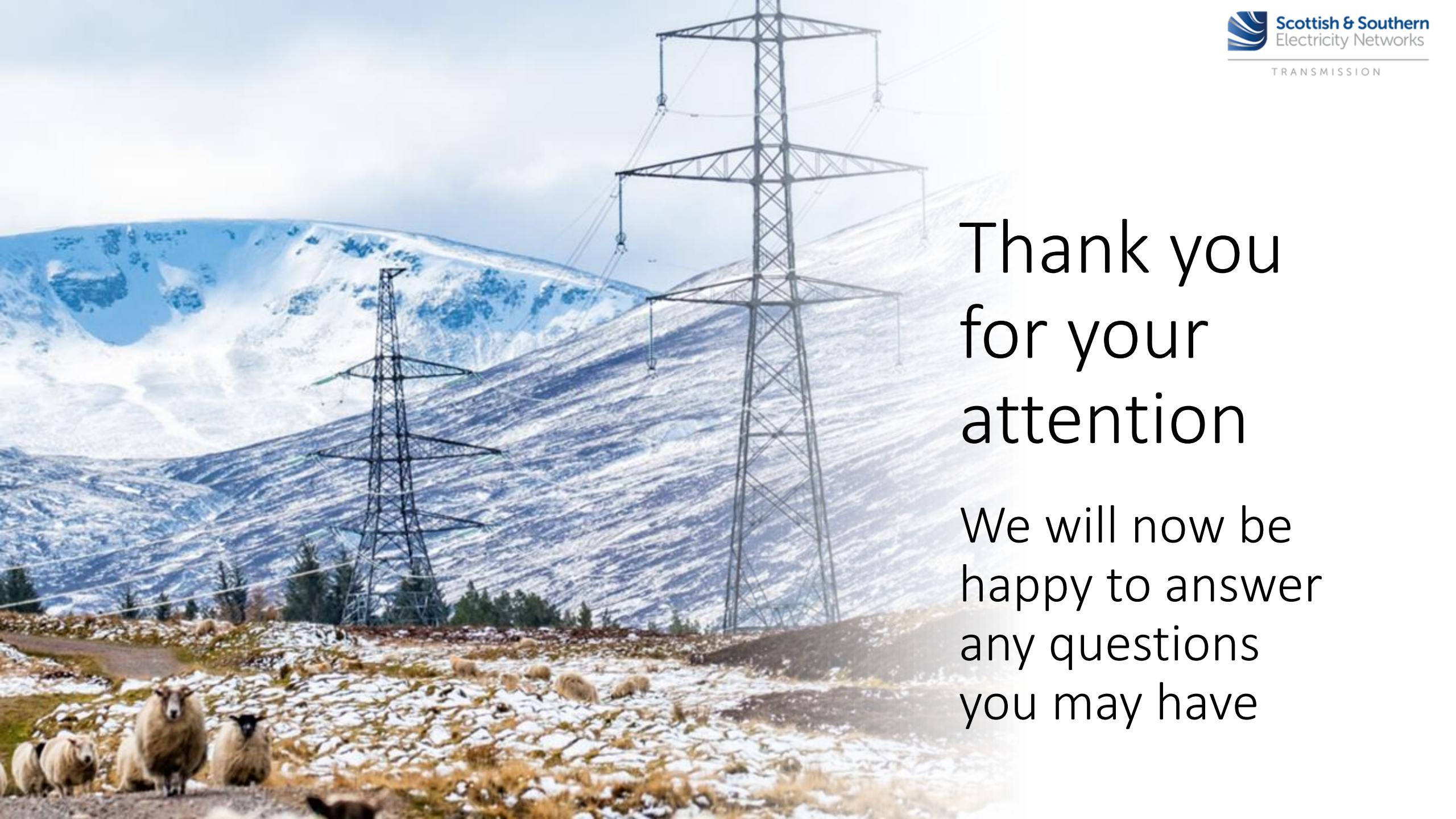
- Real progress made in all 39 subject areas between 2018 & 2022
- Approaching our 2026 maturity target in 13 of the 39 subject areas in 2022
- Does this mean our transformation is complete?

2023-2026: Our next steps towards 'world-class'



Key:





Thank you
for your
attention

We will now be
happy to answer
any questions
you may have