

An overview of our ISO 55000 Asset Management Vision and Roadmap



UEGCL
Generating for Generations

Presenter: Dr. Jemimah C AKIROR
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Outline



Introduction

Sector outlook, About UEGCL



Why AM at UEGCL?

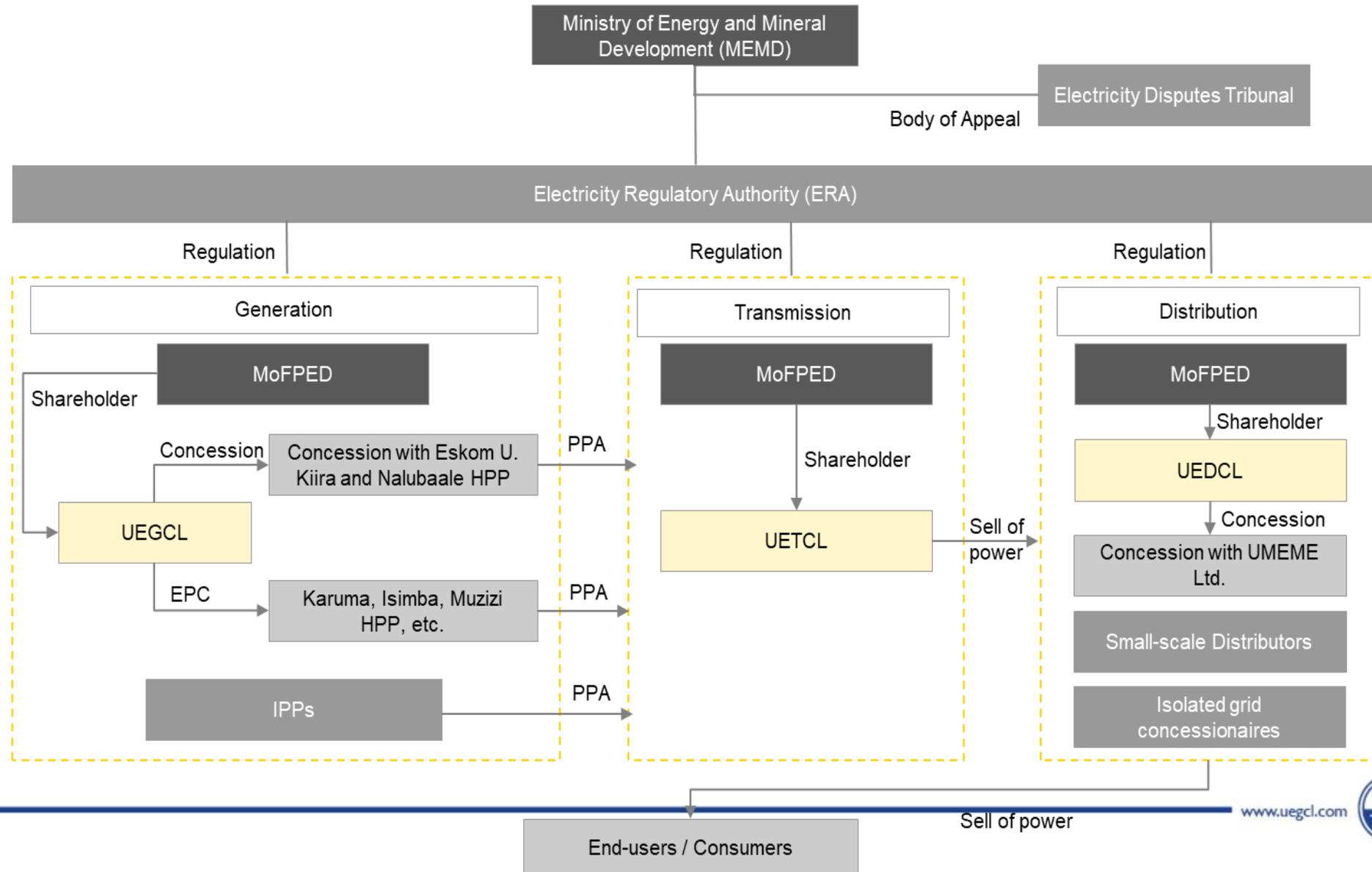
AM drivers and journey



Our Roadmap

Developing capabilities, challenges

Institutional framework



UEGCL PROFILE

UEGCL was incorporated in 2001 under a Companies Act and started operations on 1st April 2001

- ❖ 100% Government Company
- ❖ Governed by a Board
- ❖ Over 424 Employees

Mandate:

To **establish, acquire, maintain and operate** Electricity Generation facilities and to promote **Research and Development** in the Electricity Generation sector, while running the company on sound business principles.

VISION

To be Africa's leading electricity-generating utility

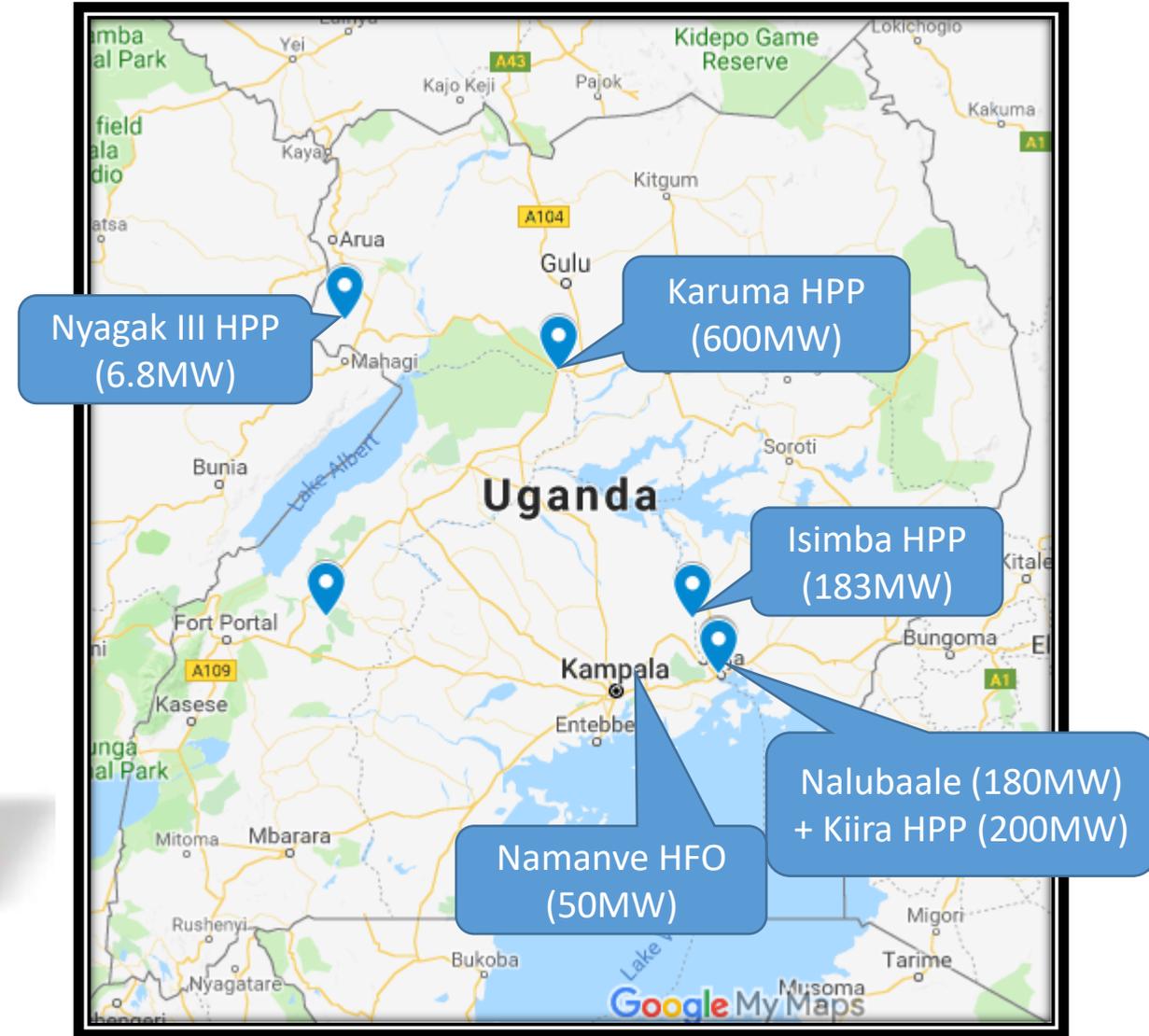
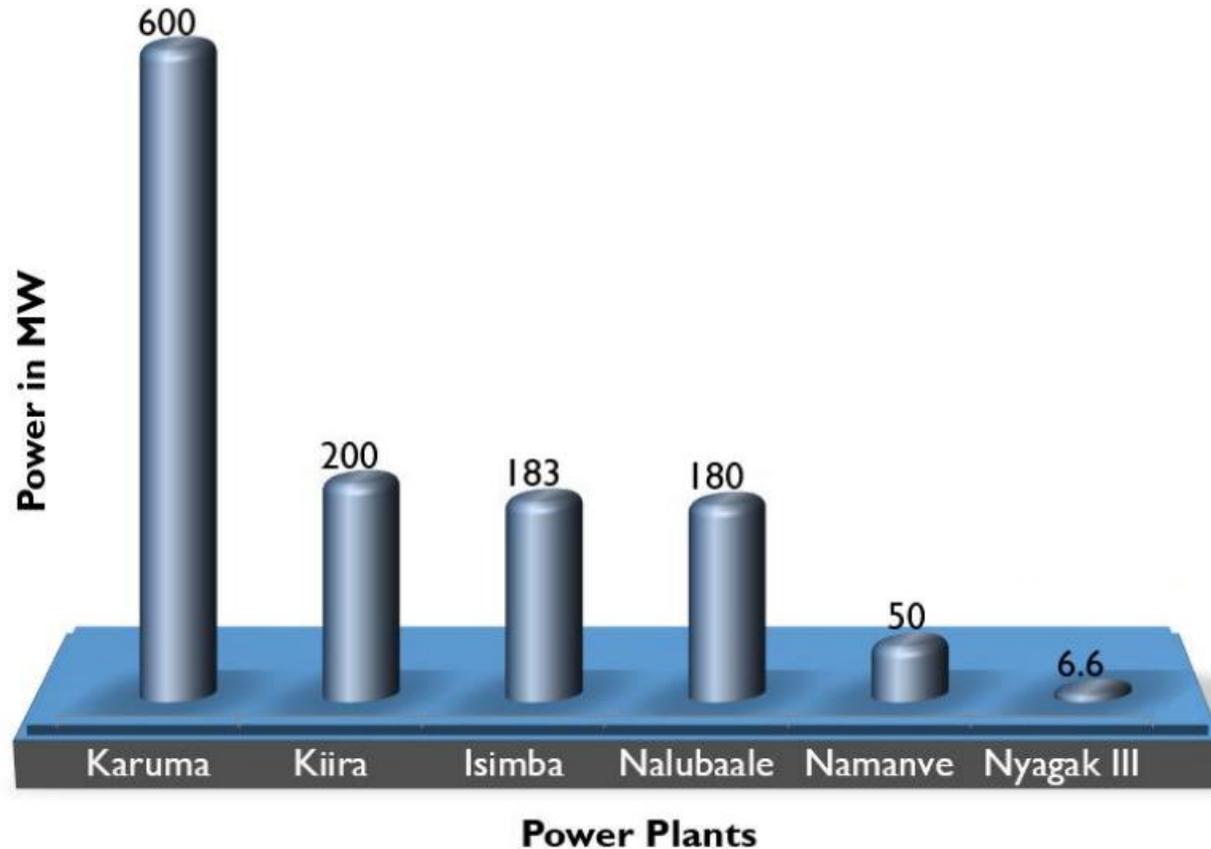
MISSION

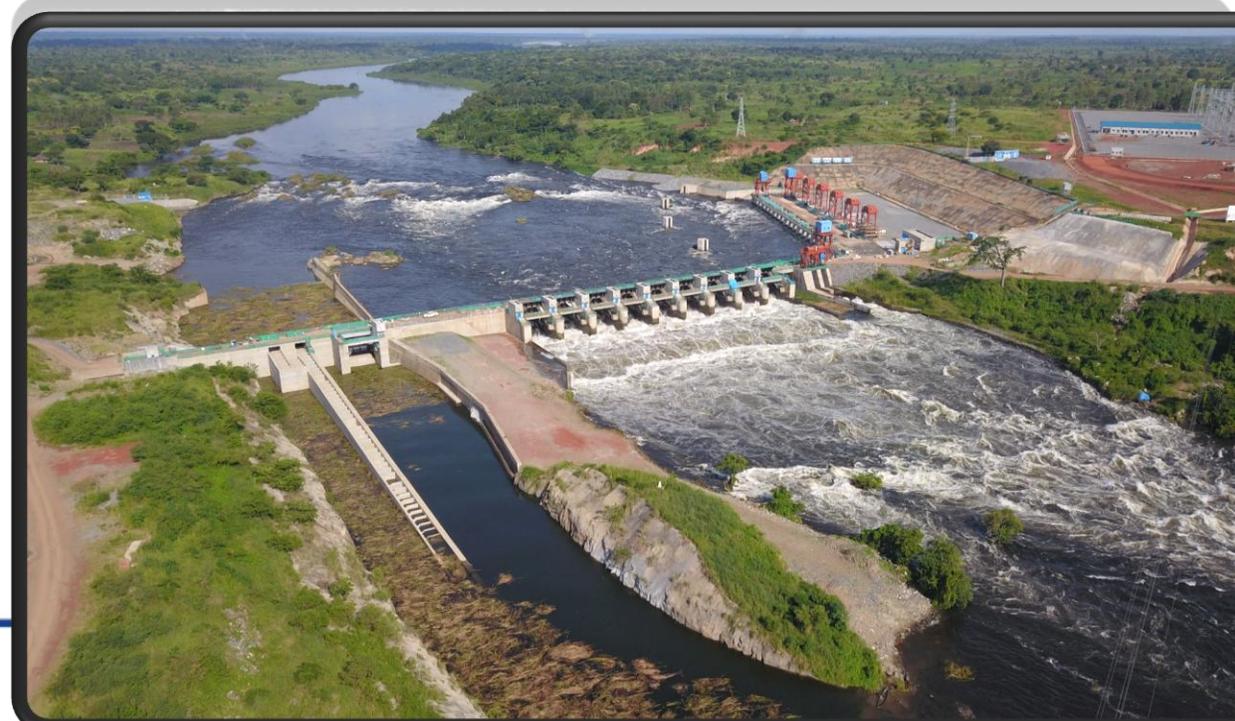
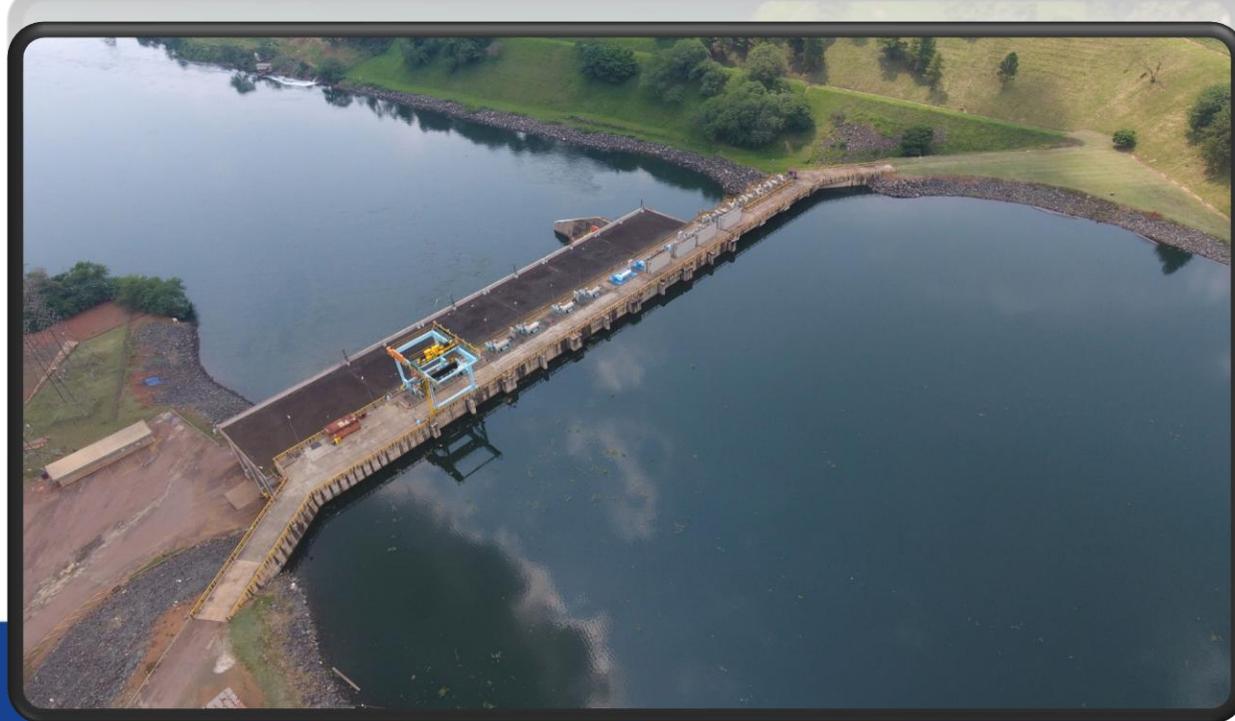
To Sustainably Generate Reliable, Quality and reasonably priced Electricity for Socio-Economic Development

PURPOSE

Making electricity safely available for supply at all times from all our plants

UEGCL - LOCATION





UEGCL strategy

Strategic Goals(2023-2028)

1. Increased **Generation capacity** from **913 MW – 1317 MW** by 2028
2. **Plant Availability** of **97%** from all our plants
3. **Developed Pipeline Generation Capacity** of at least **2,000MW** by 2028
4. **The Energy Diversification ratio** increased from **4% to 7%** by 2028
5. Increased **Market Share by Energy Sold** from **49% to 67%** by 2028
6. **Annual Revenue** from **non-core sources** increased from an average from **UGX 14 bn** to **UGX 20 bn** by 2028
7. **Annual Capital Investment coverage** of **100%**
8. **A return on Assets (RoA)** of at least **2%** and **Return on Investments (ROI)** of **10%** by June 2028
9. **Employee Engagement Score** of at least **90%** by 2028
10. **Stakeholder Satisfaction rating** of at least **90% by 2028**



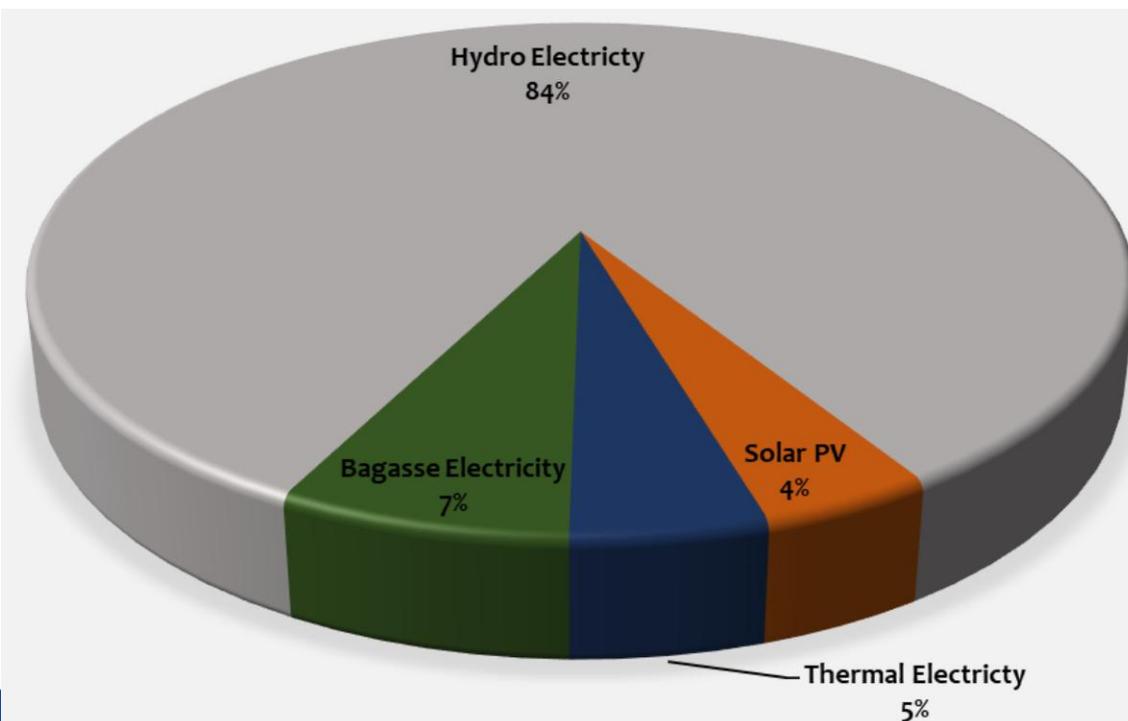
Uganda's Electricity metrics

All the renewable energy projects contributed 95% of all generation capacity of the total installed capacity (**2,094.1 MW**). Hydroelectricity comprised the largest share, accounting for 84%

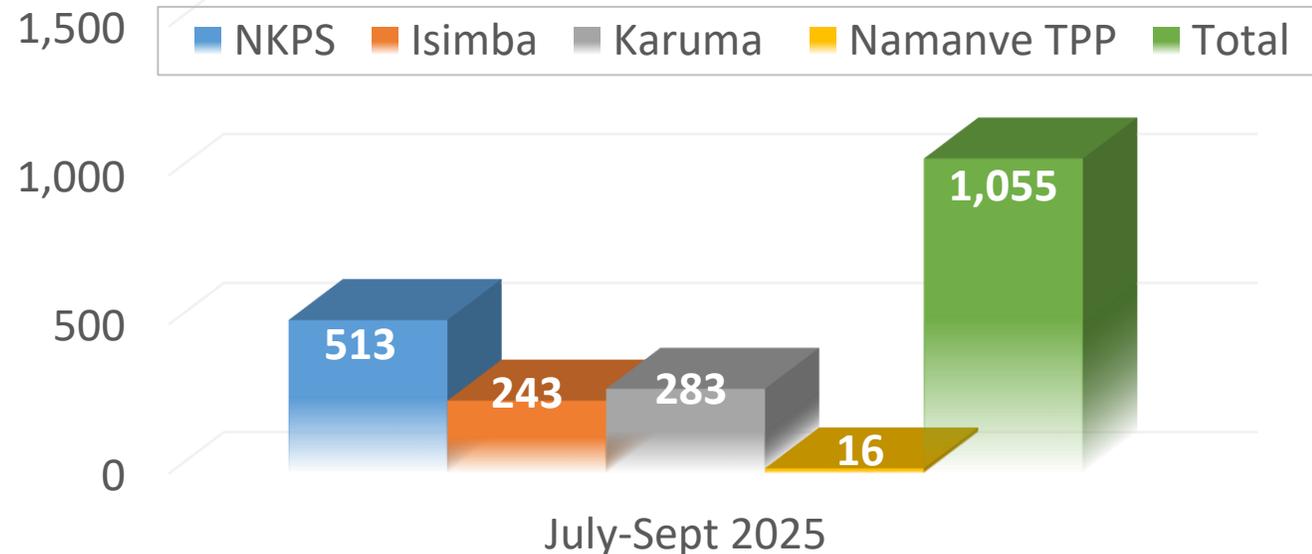
July – September 2025

Peak Domestic demand - 1157 MW
Peak system demand – 1336 MW

UEGCL installed capacity – 1213 MW
Domestic energy – 2077 MW



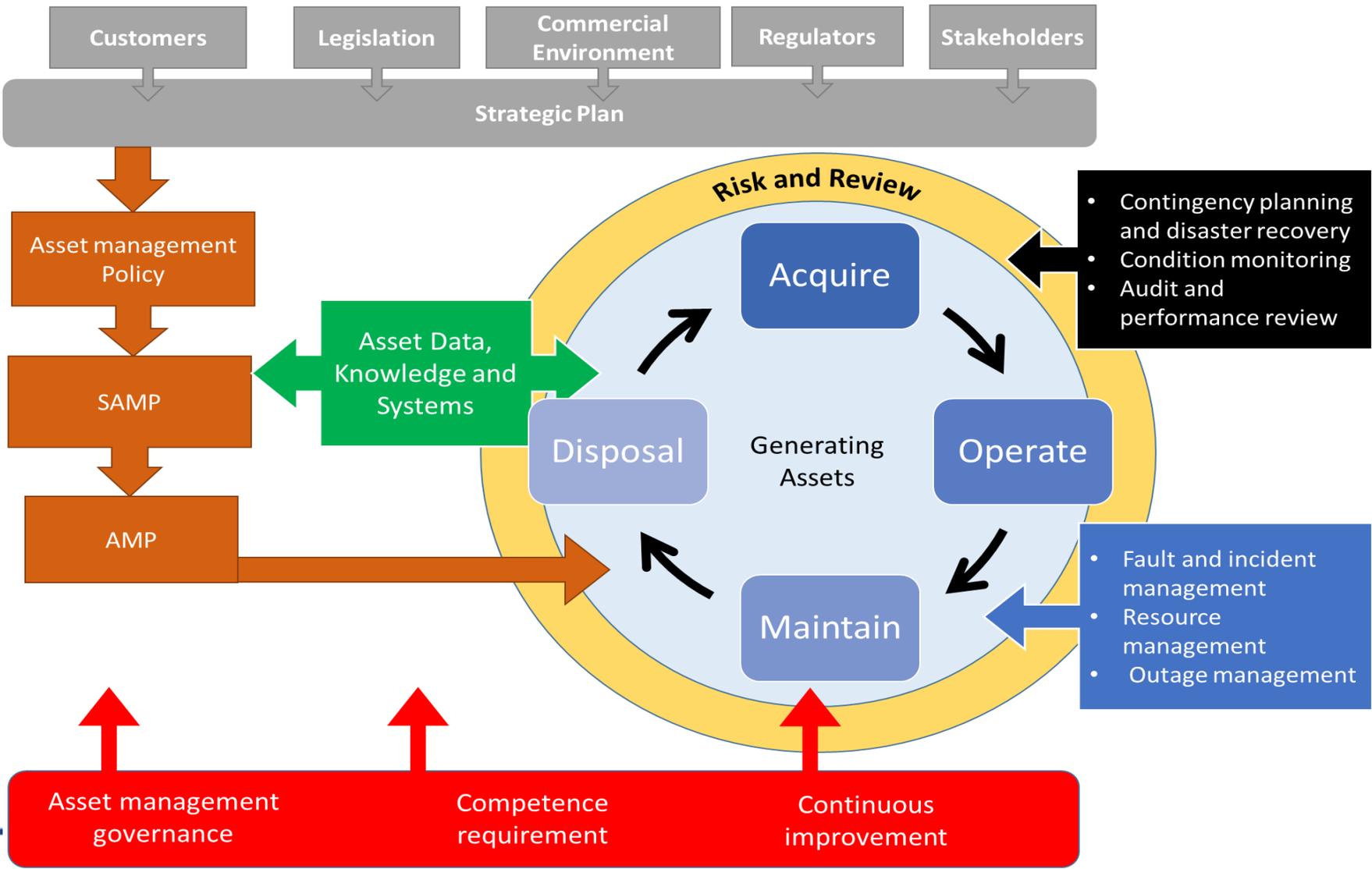
ENERGY SALES UNITS (GWH)



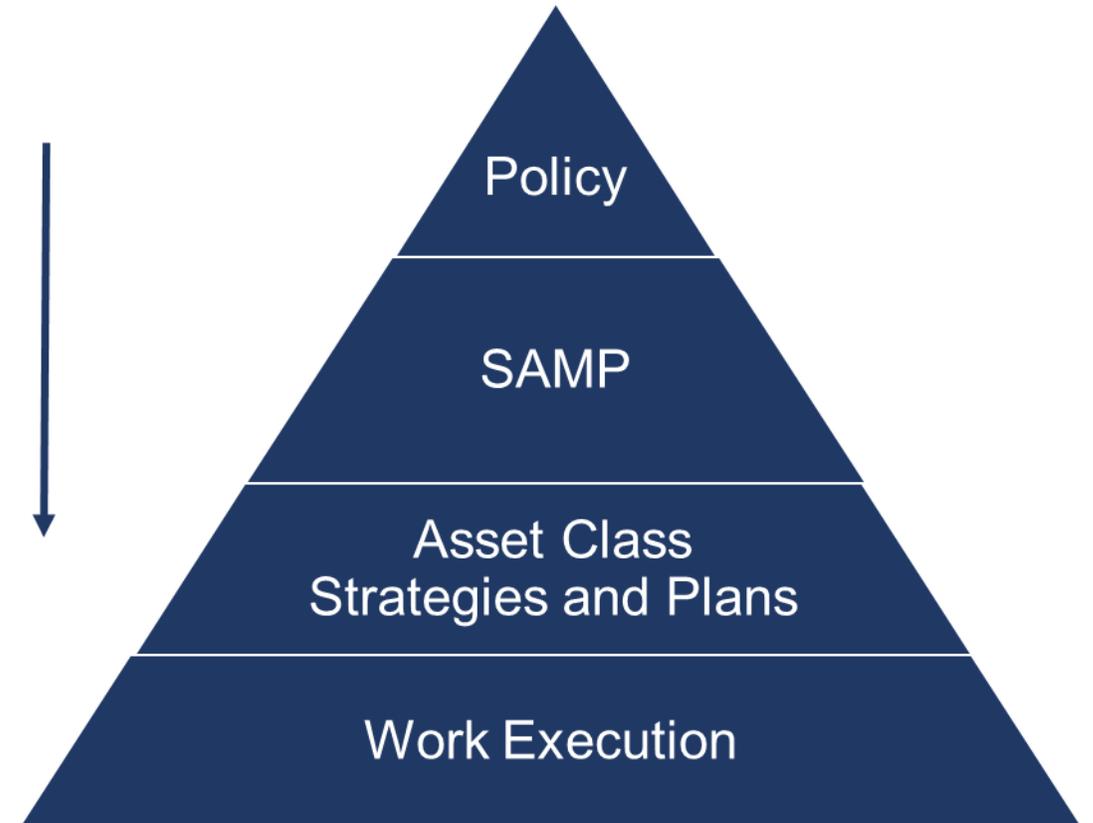
Drivers for AM at UEGCL?

- ❑ Expanded mandate from concession monitoring
- ❑ Expanded Generation capacity
 - ❑ Commissioned plants (Karuma, Nyagak)
 - ❑ Planned small hydro and floating solar
 - ❑ All plants above 50MW on behalf of GOU
- ❑ Long term planning for the power plants (Sustainability)
- ❑ Efficient Operations (Plant availability of 97%, Plant reliability of 99%)
- ❑ Financial growth (Profitability)

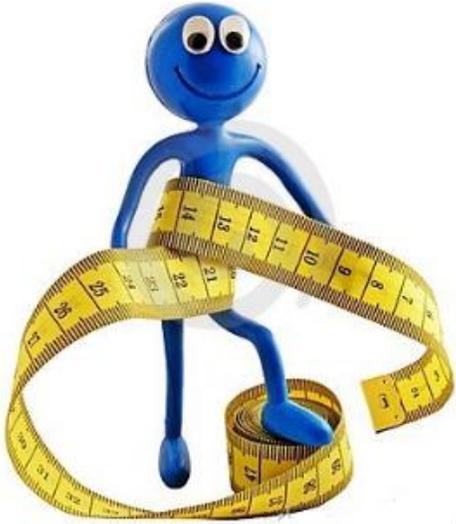
UEGCL AM Framework



Our journey

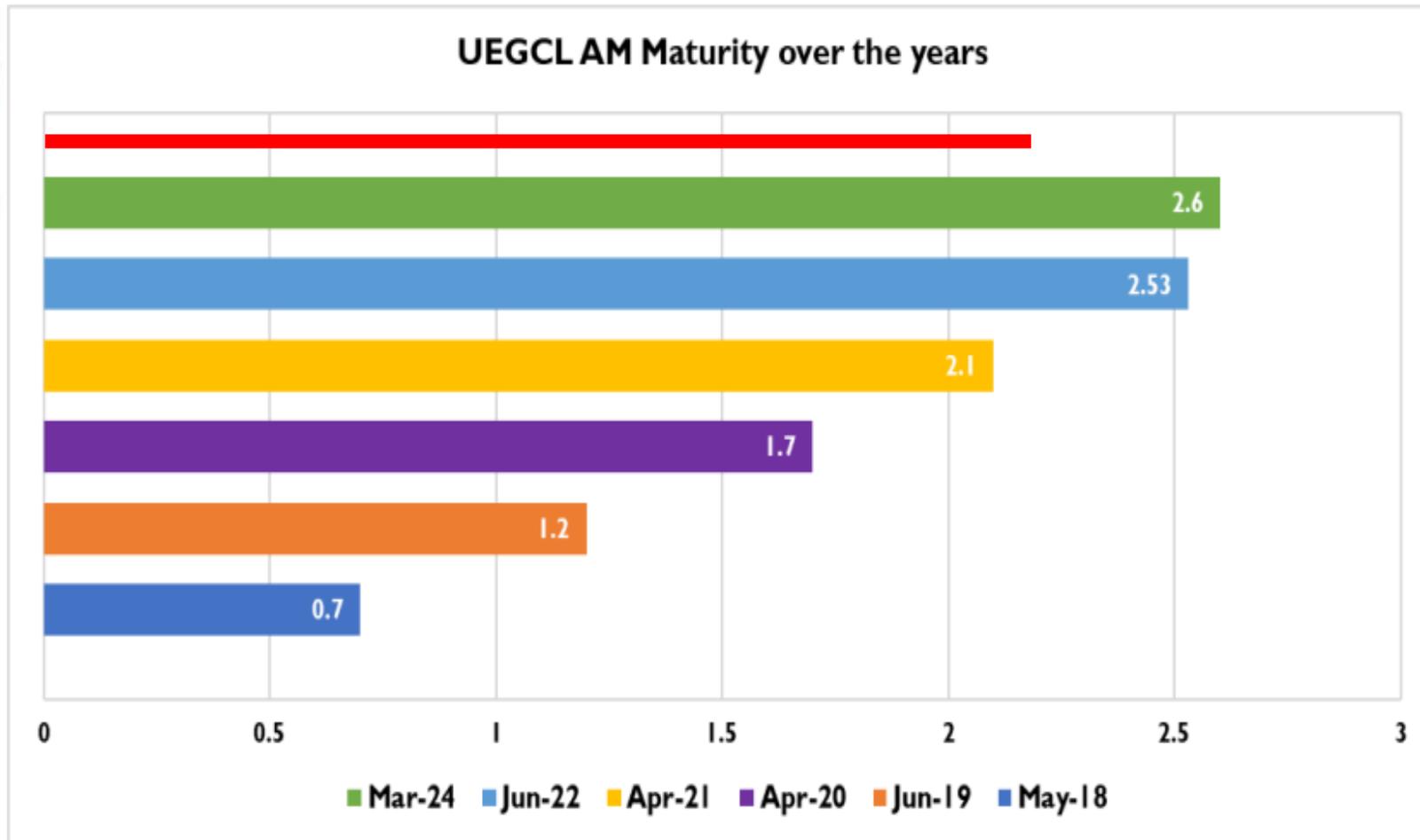


Where are we as UEGCL?



Self assessment – Alignment to the ISO 55001 standard

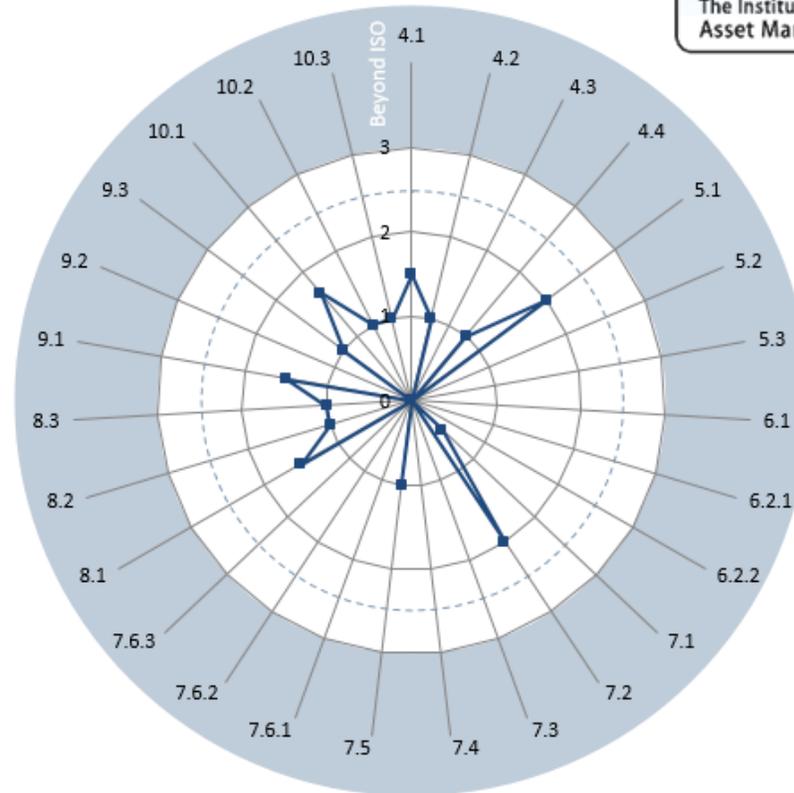
UEGCL AM Maturity over the years



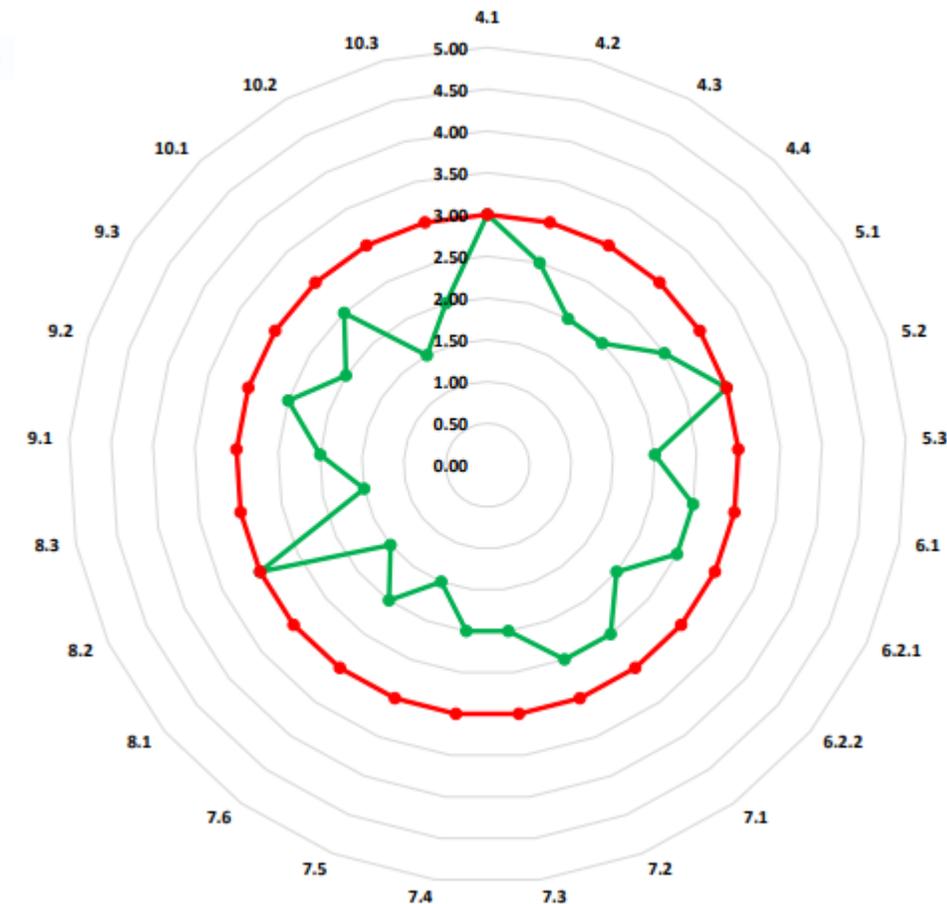
Where are we as UEGCL?

No Clause

- 4.1 Understanding the organization and its context
- 4.2 Understanding the needs and expectations of stakeholders
- 4.3 Determining the scope of the asset management system
- 4.4 Asset management system
- 5.1 Leadership and commitment
- 5.2 Policy
- 5.3 Organizational roles, responsibilities and authorities
- 6.1 Actions to address risks and opportunities for the asset management system
- 6.2.1 Asset management objectives
- 6.2.2 Planning to achieve asset management objectives
- 7.1 Resources
- 7.2 Competence
- 7.3 Awareness
- 7.4 Communication
- 7.5 Information requirements
- 7.6.1 Documented information general
- 7.6.2 Creating and updating documented information
- 7.6.3 Control of documented information
- 8.1 Operational planning and control
- 8.2 Management of change
- 8.3 Outsourcing
- 9.1 Monitoring, measurement, analysis and evaluation
- 9.2 Internal audit
- 9.3 Management review
- 10.1 Nonconformity and corrective action
- 10.2 Preventive action
- 10.3 Continual improvement



Conformance to ISO 55001 Clauses

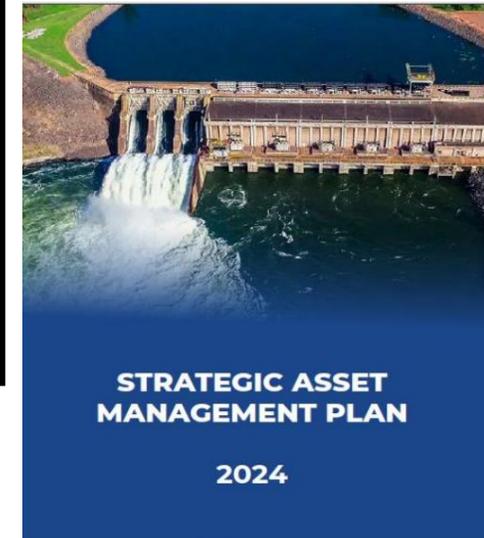
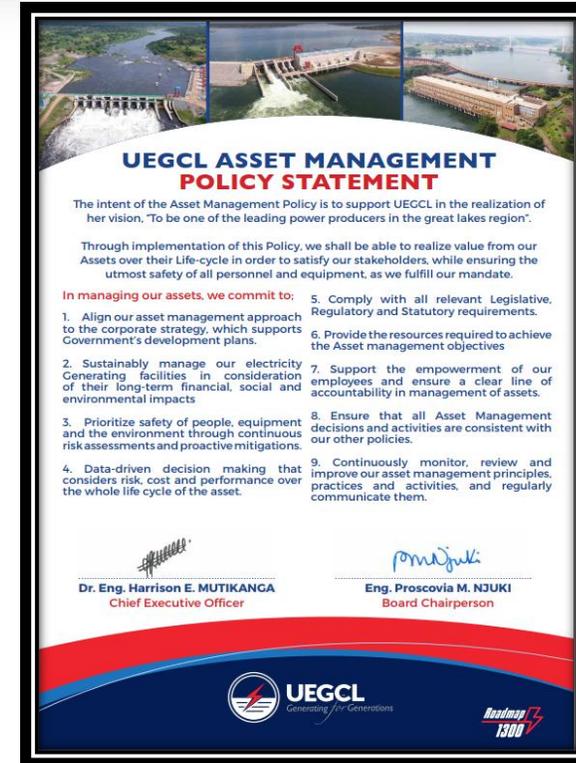


— Average ISO 55001 Clause Score — Maturity Level 3: Competent Score

Overall Score = 0.7/3

AM objectives

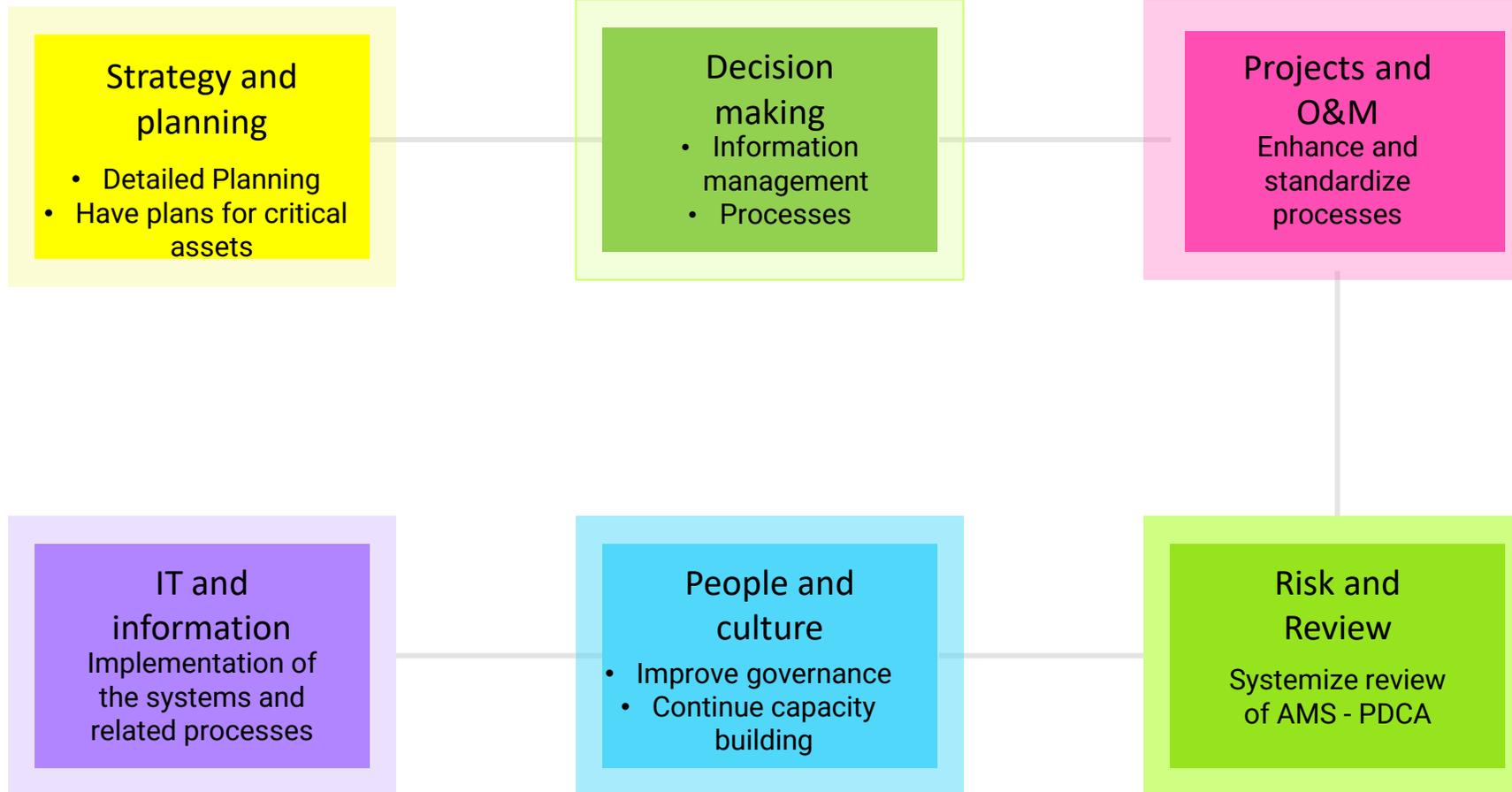
- ❑ Improve asset management system effectiveness – standardization
- ❑ Enhance AM data for decision-making – manage the data, tools
- ❑ Strengthen asset performance – strategies, resourcing
- ❑ Improve inventory management – supply chain, OEMs and synergies
- ❑ Improve staff knowledge and skills



What we have done so far

- ❑ Foundation principles and objectives – excellent leadership commitment
- ❑ Defining criteria for risk based prioritization, criticality ranking
- ❑ Developing capabilities in various aspects (long term planning, condition assessments, FMECA etc)
- ❑ Improving feedback process – RCA, maintenance reports
- ❑ Determining our data and information requirements

Vision for AM

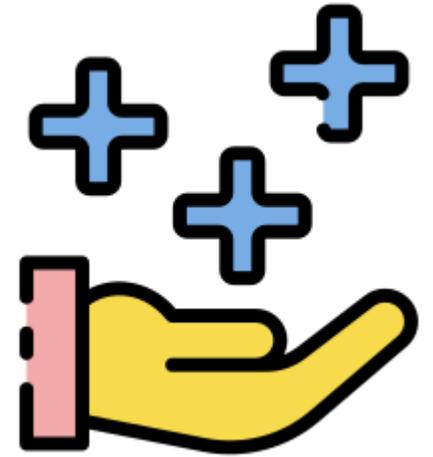


Challenges?

- ❑ Change management (a lot going on, acceptance/ownership by the teams, understanding of the scope etc)
- ❑ Budget constraints for long term planning and maintenance
- ❑ Asset data and information – collecting, storage, analysis etc
- ❑ A lot to do, prioritizing what to start with – roadmap/bite size pieces

Benefits so far

- ❑ Consistently met our targets (availability and reliability)
- ❑ Decision making is now intentionally using data especially for capex decisions
- ❑ Alignment of budgets and processes – long term thinking
- ❑ Capacity and capability building
- ❑ Leveraging industry knowledge





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THANK YOU

Uganda Electricity Generation Company Limited,
Block C, Victoria Office Park | Plot 6-9, Okot Kiwanuka Close, Bukoto.
PO Box 75831, Kampala, Uganda | Tel: +256 312 372 165 | Fax: +256 414 251 057
Email: info@uegcl.co.ug



UEGCL



@UegclOfficial



www.uegcl.com

