

# KELPO-project

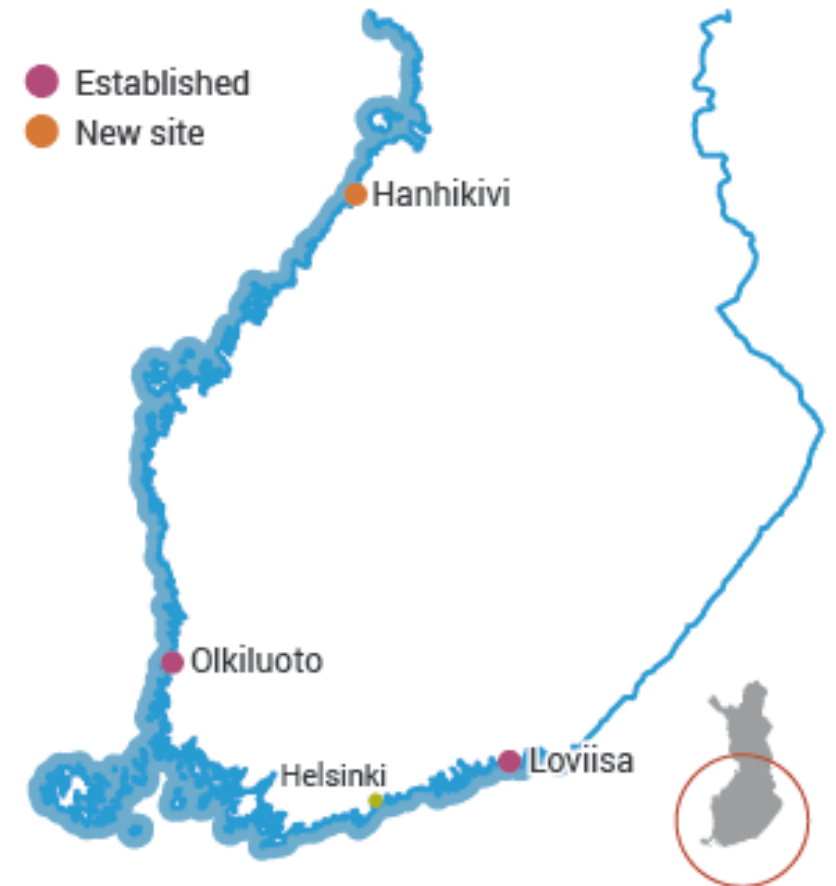
Developing the licensing and qualification practices in Finland

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# Status of Nuclear Power in Finland

- ▶ Finland has a safe and reliable nuclear fleet.
- ▶ Nuclear share of electricity production in Finland 32 % (2018).
- ▶ High public support for nuclear power (49 % positive, only 15 % negative).
- ▶ Aim for long-term operation → major investments ahead for plant modernizations.

## Nuclear Power Plants in Finland



Source: World Nuclear Association

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- ▶ The project is co-operation of the Finnish nuclear industry.
- ▶ STUK participates as an observer and supports the work.



# KELPO - objectives

- ▶ Put the Graded Approach into practice.
  - ▶ Enable use of high-quality industrial-standard equipment.
  - ▶ Ensure a comprehensive supplier network.
  - ▶ Ensure availability of high-quality equipment.
  - ▶ Increase co-operation between license holders - in Finland, Nordics and Europe.
- Ensuring viability of modernization and new-build projects and continuous development of nuclear safety.

# KELPO - key development areas

- ▶ Utilize high-quality standard equipment manufactured, tested, inspected and documented according to normal, well-known industry standards.
- ▶ Harmonized practices and documentation between license holders → Clear and harmonized requirements towards suppliers.
- ▶ Increased license holder's role in lower safety classes - Regulatory control focus on plant overall safety and SC1 and SC2 equipment.

## PILOTING:

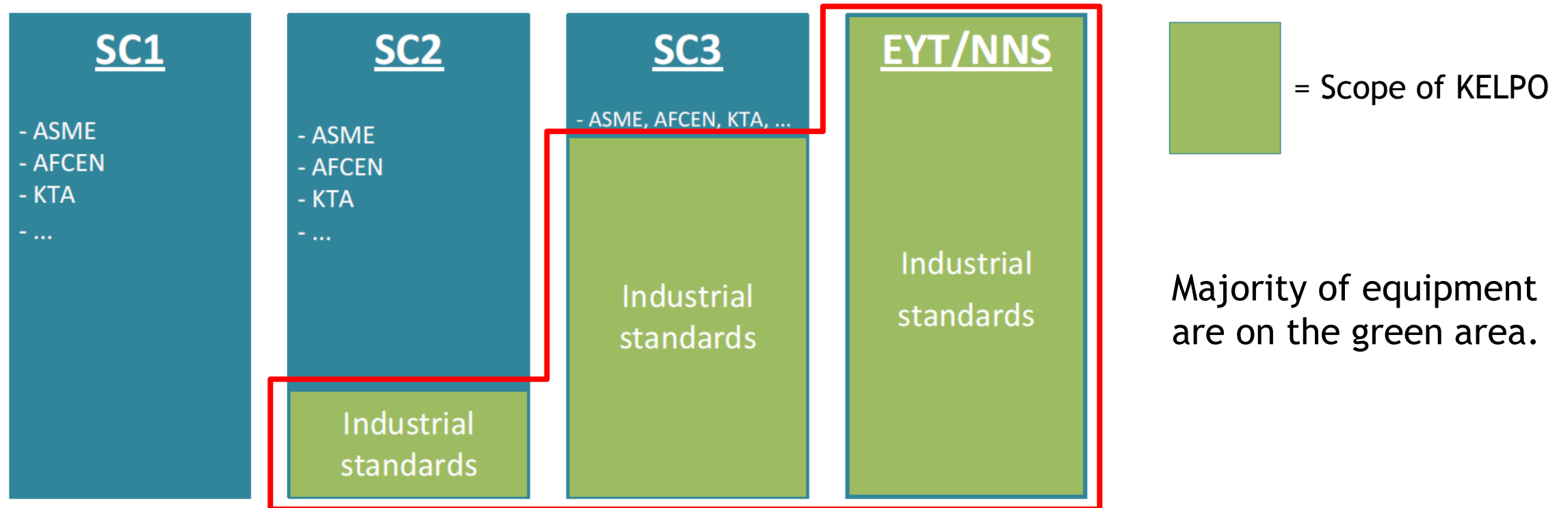
- Joint effort of license holders and STUK.
- Test and further develop the proposed new licensing and qualification processes.
- Identify change needs in regulations and company practices.

STUK's new strategy:

*“Safety is not achieved through control, but as a result of good work of responsible operators.”*

# KELPO - Scope

## SSC of a Nuclear Plant



# Expectations for the future

- ▶ Dialogue between license holders in different countries - sharing good practices and harmonization within Europe.
- ▶ Dialogue between license holders and authorities - STUK's effort is highly appreciated.
- ▶ ENSREG should take harmonization and use of industrial-standard equipment on the agenda.
- ▶ Together create a future where the European nuclear industry can attract the best suppliers.
- ▶ Ensuring nuclear safety is a common goal - need to work together to further develop it and secure high-level of safety also in the future.

# Thank you!

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