

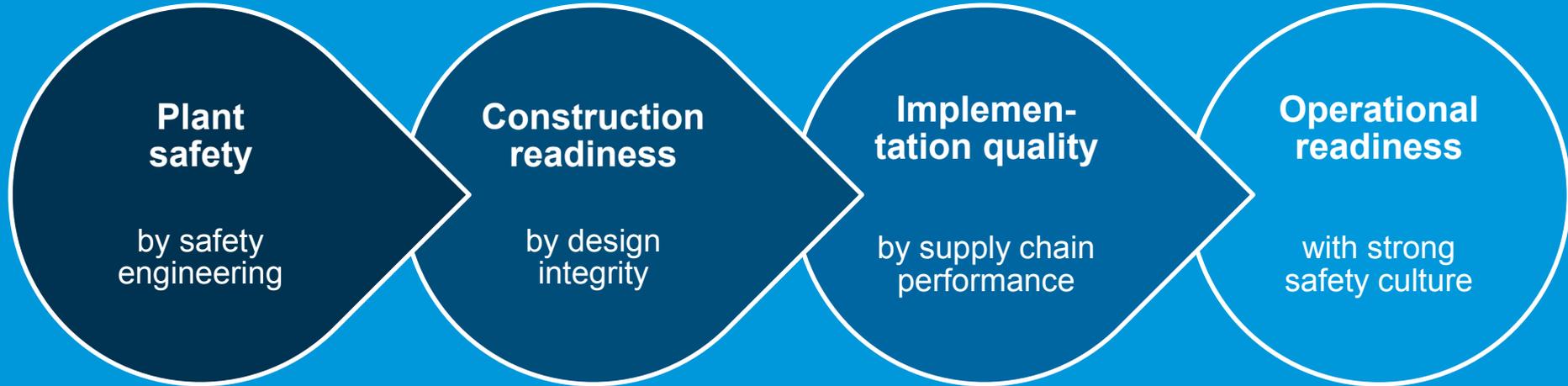


FENNOVOIMA

Status update

Timo Okkonen
SYP 2019

Fennovoima Reprogrammed



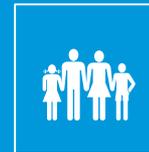
PSAR & FSAR
Regulations
Assessment
Licensing



Basic design
Availability
Technology
Specifications

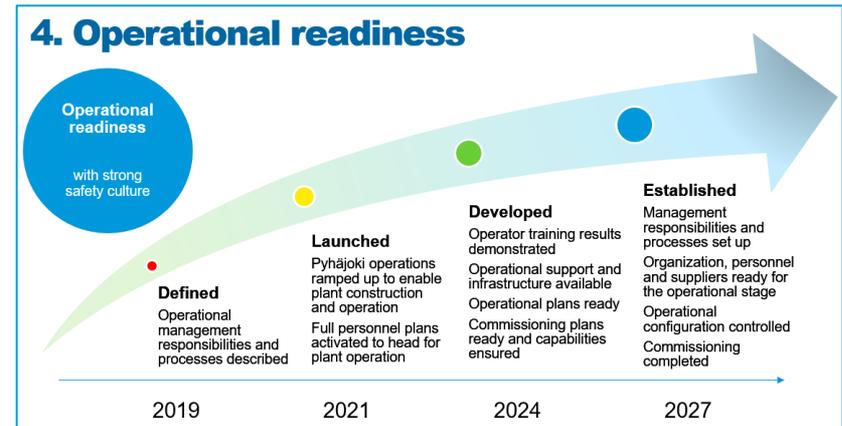
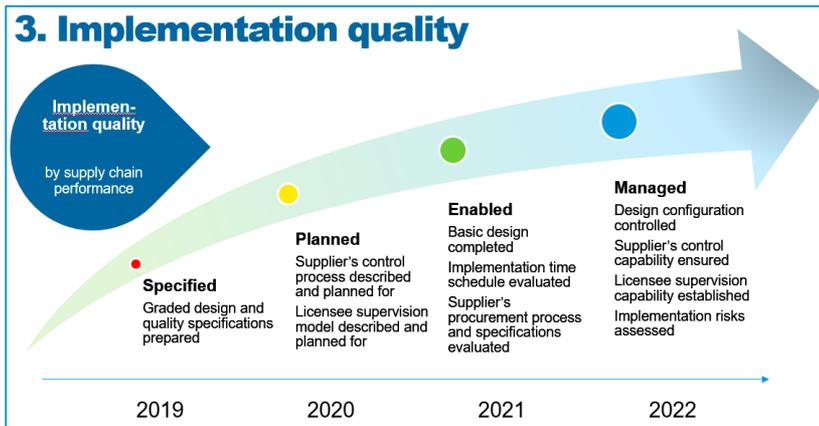
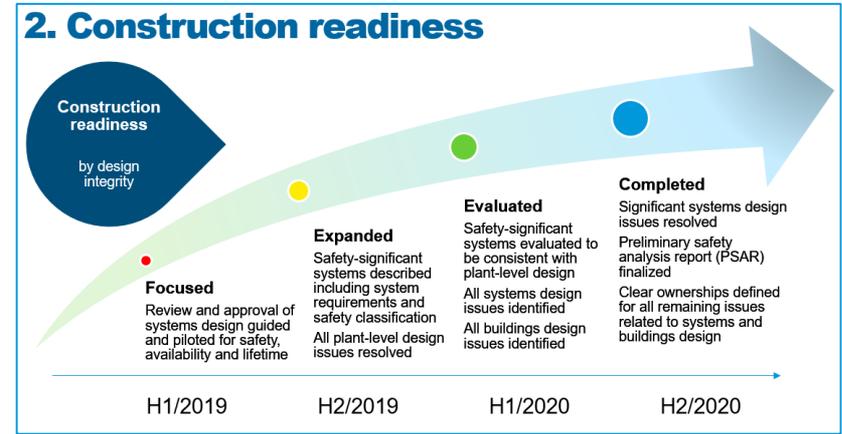
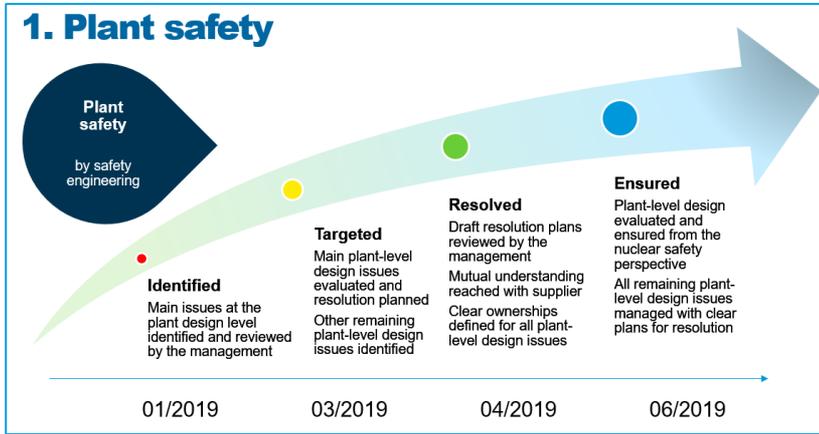


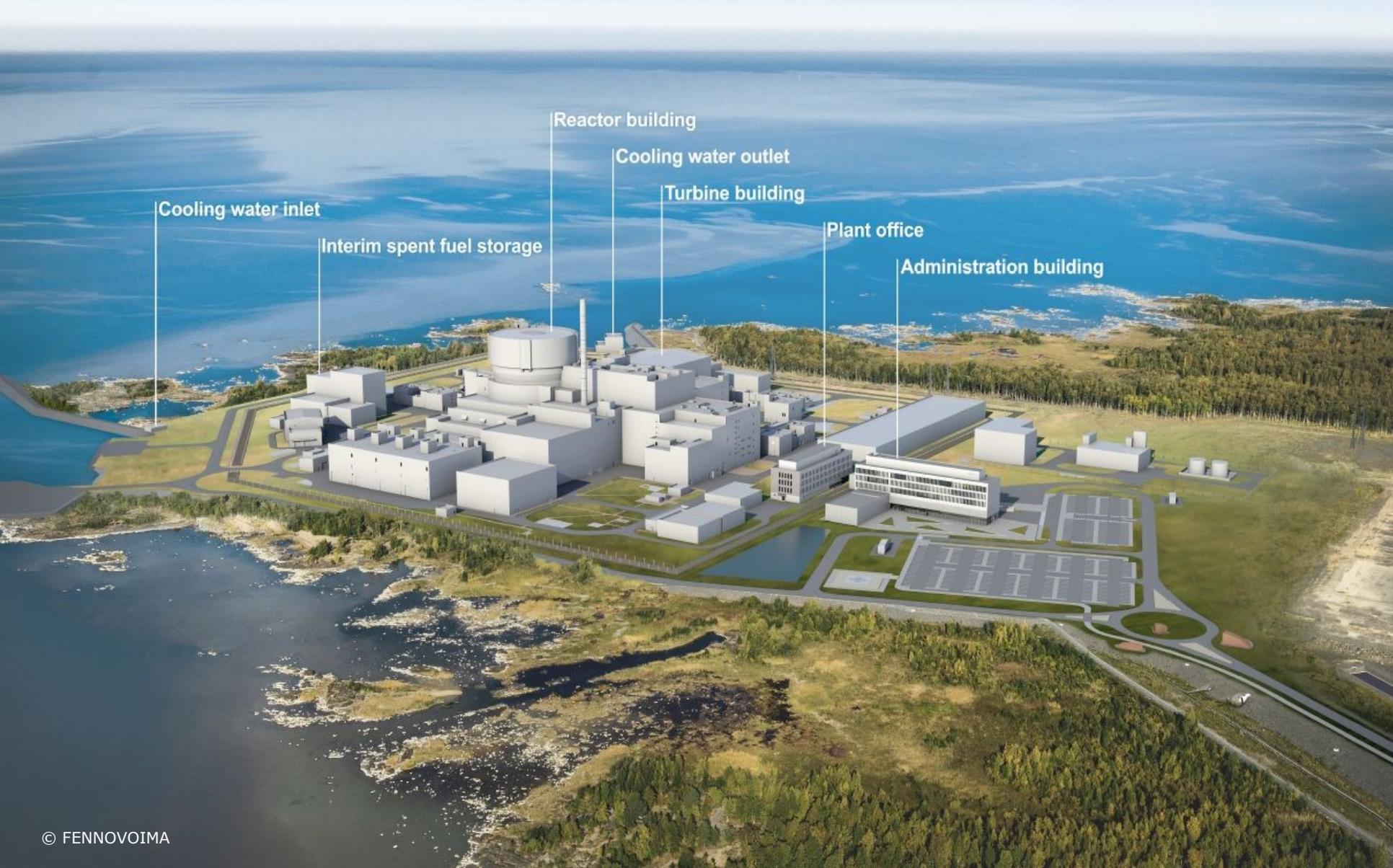
FH1 plant
Configuration
Quality
Lifetime



Fennovoima
Competence
Organization
Production

Hanhikivi 1 (FH1) target streams





Reactor building

Cooling water outlet

Turbine building

Cooling water inlet

Interim spent fuel storage

Plant office

Administration building

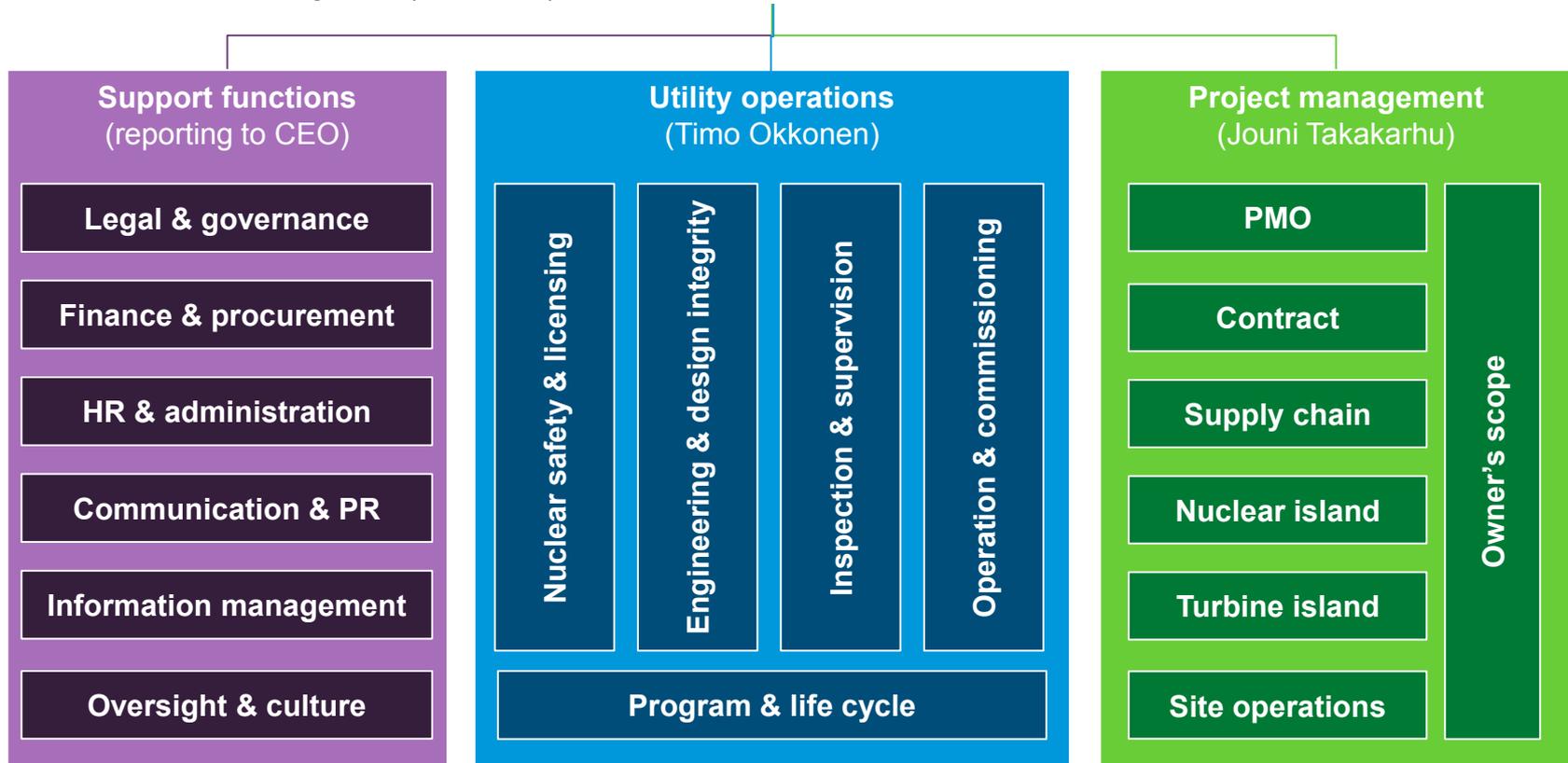
Highlights 2019 – Fennovoima & RAOS Project Oy

- ✓ **Site layout design** is being completed, including resolution of related plant-level safety issues and specific layout issues.
- ✓ **Basic process and electrical systems design** has been mainly delivered for stage 1, providing the basis for **PSAR** and licensing.
- ✓ **Technical co-operation** has improved considerably throughout the year, with both parties seeking for practical approaches and solutions.
- ✓ **Our attention** is moving gradually to further preparations related to the layout of buildings, stage 2 basic design and I&C design.

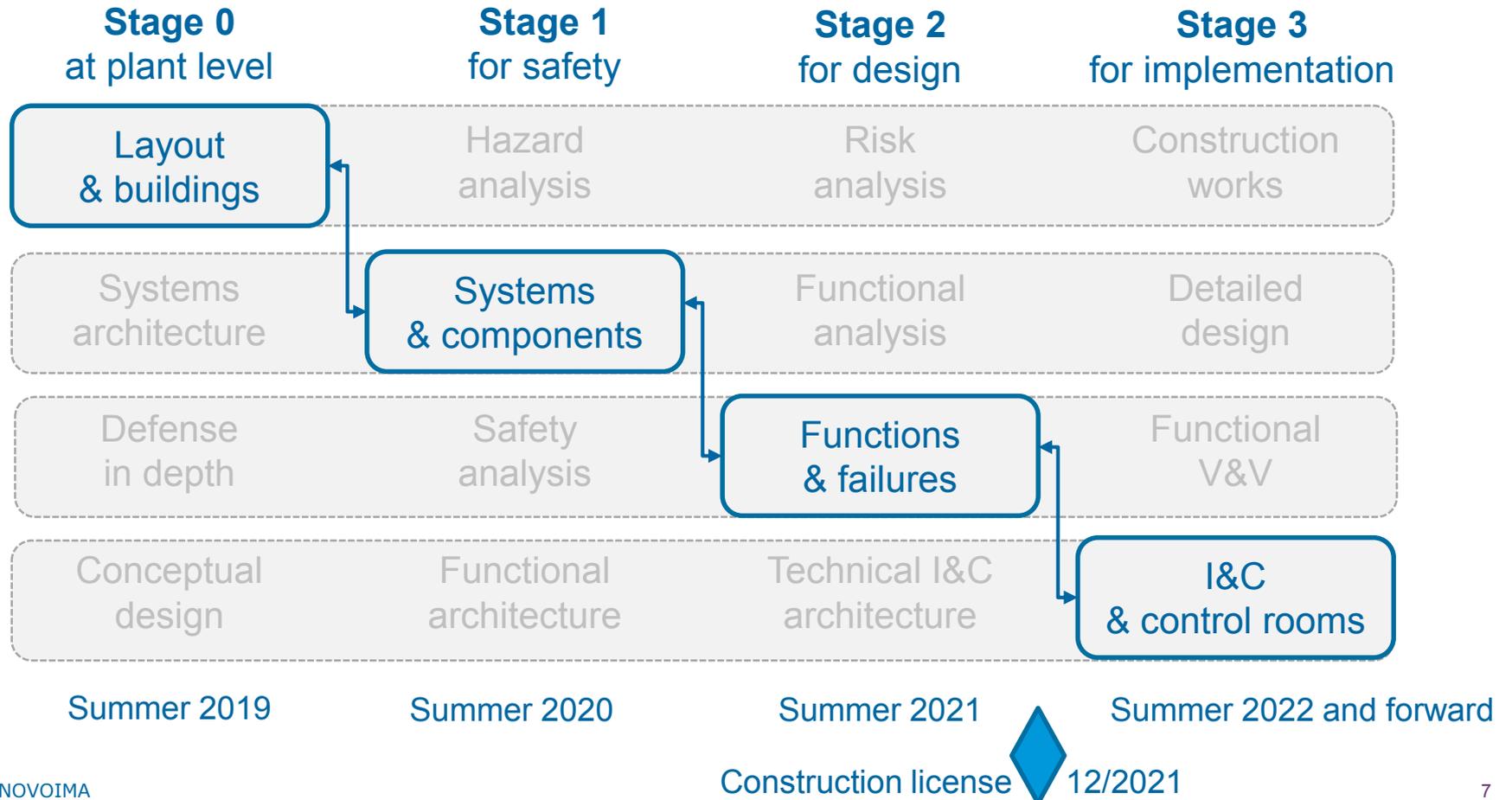
Our new organization since 1 April 2019

*Timo Okkonen
acting CEO (1.11.2019)*

FENNOVOIMA



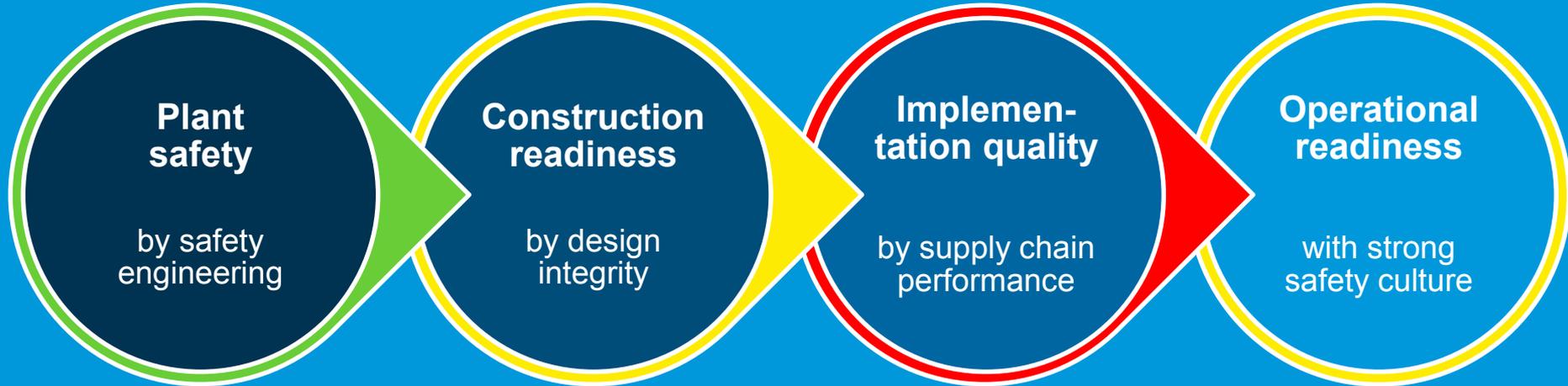
FH1 basic design evolution – principal approach



We have taken a more proactive role

- ✓ **We can focus more strongly on the technical outcome** – after building the basic understanding of the technical and quality requirements.
- ✓ **We emphasize our nuclear licensee responsibility** – requiring justified positions and decisions covering the full lifecycle of the FH1 plant.
- ✓ **We focus our attention through an integrated view** – without mixing our role with Supplier's contractual obligations to the schedule and delivery.
- ✓ **We aim at a solution-oriented dialogue** – by interacting in a structured and proactive way internally, with the Supplier and with the authorities.

Towards the power operation target 2028



Risk focus now



STUK's expectations for construction license documentation



Supplier's engineering resources and design processes



Supply chain readiness and construction preparations



Production availability and operation model of FH1

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