

UJV – ENERGOPROJEKT PRAHA and its role in Dukovany 5 Project

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View of UJV Rez, a. s.



ÚJV Řež – people, experience, infrastructure

- **Applied research, design and engineering activities in:**
 - **Energy**
 - **Power industry**
 - **Nuclear medicine**
- **State-of-the-art workplace in the Czech Republic and in Europe**
- **High level specialists**
- **Unique technical infrastructure**

OUR WORKFORCE
COUNTS APPROX.

700⁺ 
EMPLOYEES

HISTORY

65⁺ 
YEARS

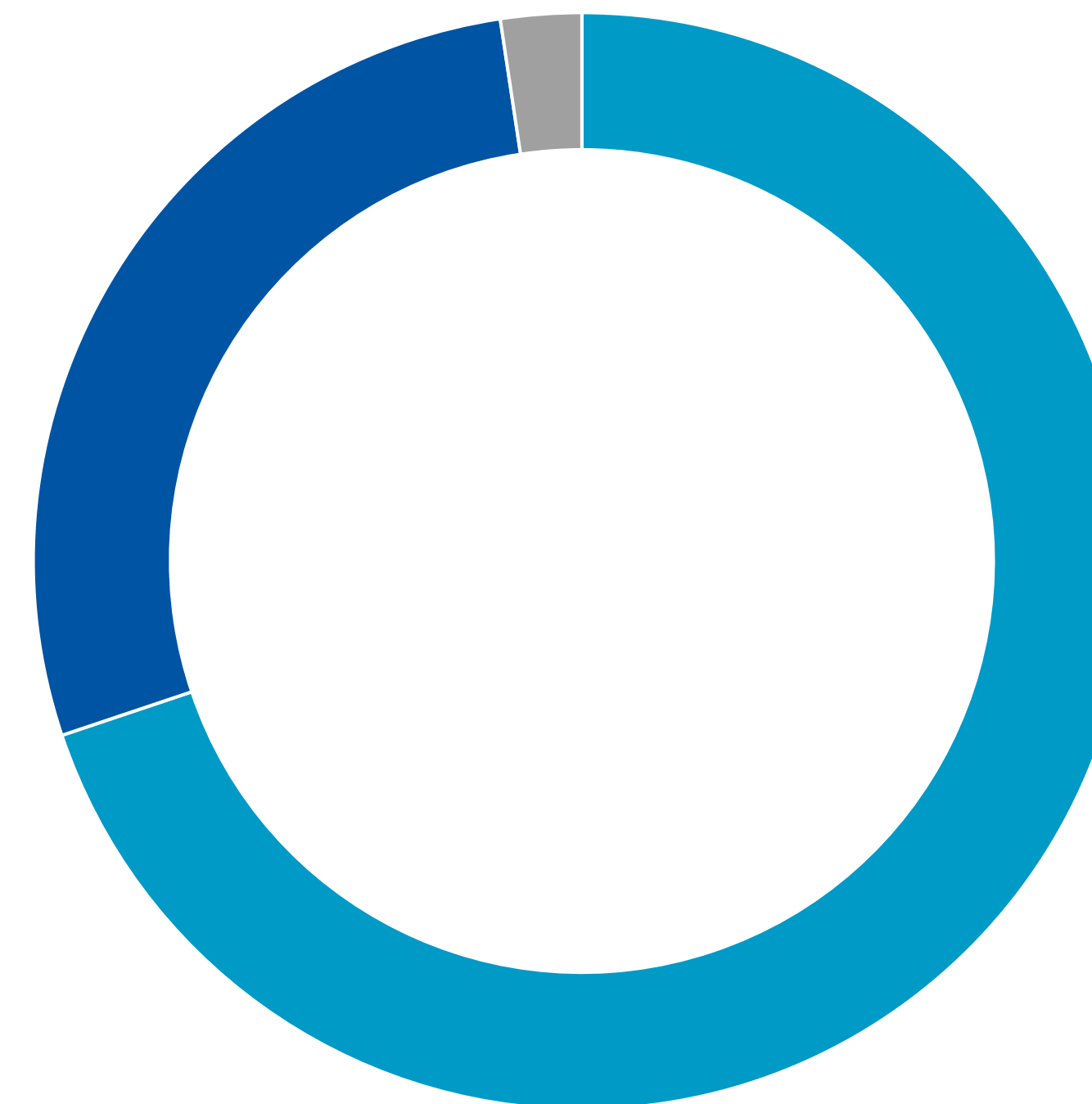
ANNUAL REVENUE
€ 68 million

TOTAL ASSETS
€ 136 million

3

SHAREHOLDERS

■ CEZ, a. s.	69,85 %
■ Slovenske elektrarne, a. s.	27,77 %
■ Municipality of Husinec	2,38 %



UJV Group

The portfolio of services of **ÚJV Řež** is complemented by its 100% owned subsidiaries, which together with ÚJV Řež form the **UJV Group**.

UJV Group consists of:

ÚJV Řež (www.ujv.cz)

Research Centre Řež (www.cvrez.cz)

RadioMedic (www.radiomedic.cz)

Research and Testing Institute Plzeň (www.vzuplzen.cz)

ŠKODA PRAHA (www.skodapraha.cz)



ENERGOPROJEKT PRAHA ROLE FOR DUKOVANY 5

- **Primary role is to support EDU II for the whole duration of the project**
- Engineering contract was signed in 2023 for activities up to 2036 (NPP in operation)
- There are several work packages like:
 - Permanent support team for various tasks
 - Elaboration of the **Licensing Documentation (Construction license)** according to the Atomic Law
 - Elaboration of the **Permitting Documentation (Construction permit)** according to the Construction Law
 - Review of the input documentation of the Vendor
 - Etc.
- Same scope expected for Dukovany 6 or Temelín 3,4
- UJV collaborated also with the vendor in the past. Potentially if there are available capacities and consent of the EDU II, UJV may support the vendor in some areas like design adaptation to local requirements.

DUKOVANY 5 PROJECT DEVELOPMENT

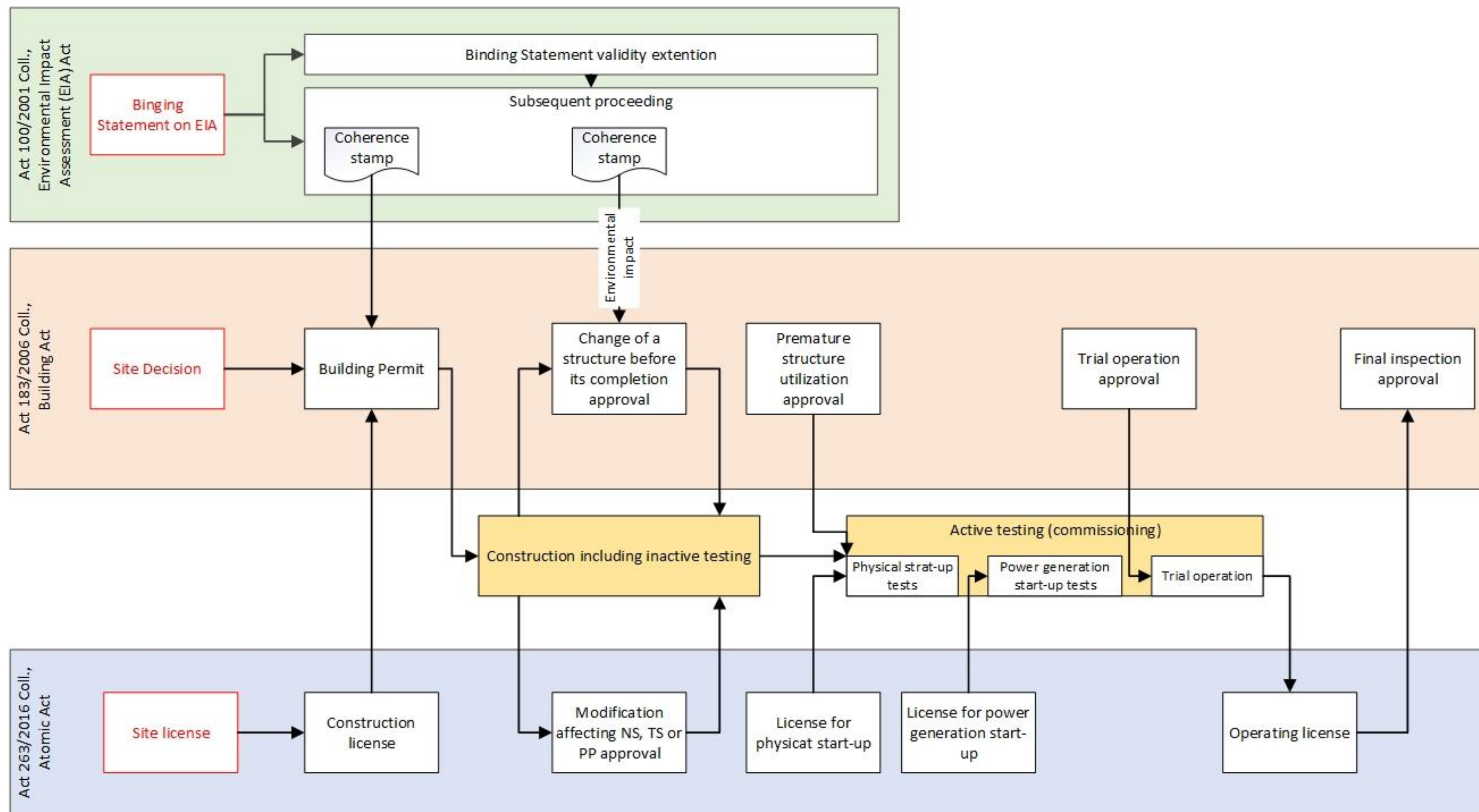
Year	Step	Note
2010-2011	Feasibility Study	Atmea 1000, Kepco APR1400, Mitsubishi EU APWR 1700, Westinghouse AP 1000, Areva EPR1600 and ASE MIR 1200
2012-2014	Site related studies	raw water consumption, transportability, or power grid connection max. power output set up to 1200 MW
2017	EIA	Environmental Impact Assessment documentation was submitted to the Ministry of the Environment of the Czech Republic
2019	EIA Statement	Ministry of Environment issued Binding Statement
2015	Site License Documentation	EDU II obtained the License for the siting of two units of the new Nuclear Power Plant at Dukovany Site from the State Office for Nuclear Safety on 8th March 2021.
2019-2021	Site Permit Documentation	Application for site permit to Ministry of Regional Development was submitted by CEZ in May 2021 – Decision 2023
2020-2021	BIS	Preparation of Bid Invitation Specification. 3 bidders (EDF, Westinghouse, KHNP)
2022-2024	Tender process	Final bids expected by September 2023 Preferred bidders selection March 2024
2024	Contract signature	March 2025



NEW BUILD LICENSING IN CZECH REPUBLIC - LEGISLATION

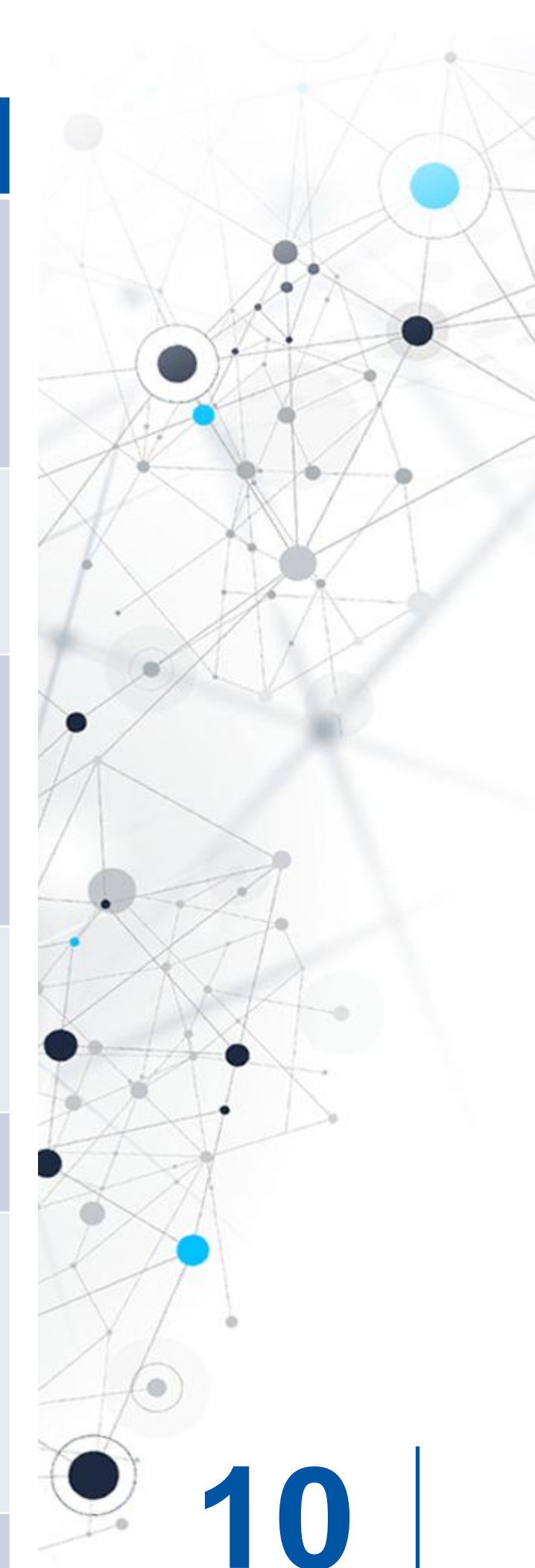
- Law No. 100/2001 Coll. on the Environmental Impacts Assessment (EIA Law)
 - Ministry of Environment
- Law No. 183/2006 Coll. on Siting and Construction Rules (Building Law)
 - Ministry of Industry and Trade
- Law No. 263/2016 Coll. Atomic Law
 - State Office for Nuclear Safety
- **3 different authorities to interact with**

NEW BUILD LICENSING IN CZECH REPUBLIC



DUKOVANY 5 PROJECT DEVELOPMENT

Year	Step	Note
2025-2027	Construction License Documentation	According to Atomic Law.
2028	Construction License	Application to the State Office for Nuclear Safety
2026-2028	Construction Permit Documentation	According to Building Act.
2029	Construction Permit	Application for construction permit to Ministry of Industry and Trade
2030	Construction Start	First Concrete
2035-2036	Active testing & commissioning	Additional Licenses First physical start-up of a nuclear installation with nuclear reactor; - First power-generation start-up of a nuclear installation with nuclear reactor; - Commissioning of a nuclear installation without nuclear reactor; - Operation of a nuclear installation
2036	Commercial Operation	



PREPARATION OF HUMAN RESOURCES FOR NEW BUILDS

- **Peak capacity** for 1 unit on ENRGOPROEJKT PRAHA (EGP) side is **roughly 170 FTE**
- Partially to be covered by resources already in place
- Significant number will be newly hired
- Some portion of works will be subcontracted

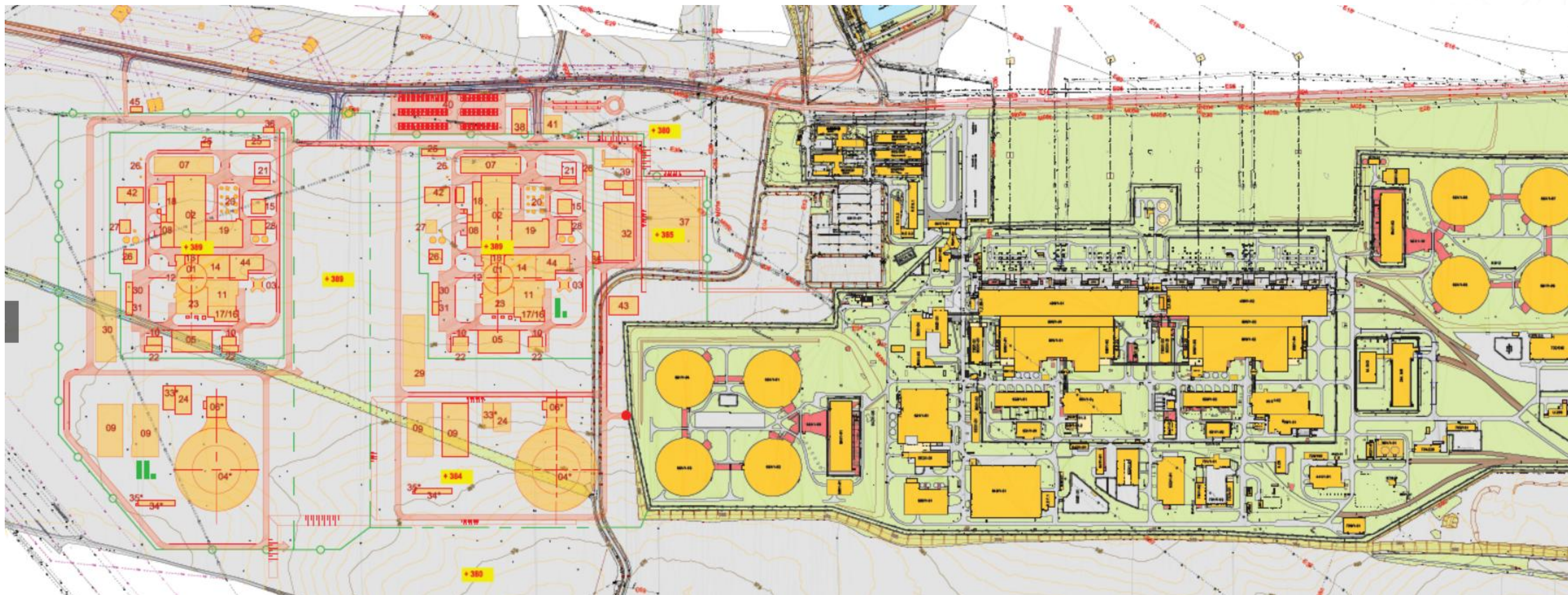
- **EGP is hiring in several locations** in Czech Republic and Slovakia
 - Prague, Pilsen, Uherský Brod, Trnava
 - New offices opened – Ostrava 2024, Brno 2025

- **Internal development projects**
Small modular in-house developed reactor CR 100 used as a training basis

- Cooperation with **universities, students**
 - Lectures, Internships, Diploma thesis



DUKOVANY NEW BUILD UNIT 5 AND 6



THANK YOU FOR YOUR ATTENTION

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13