

EDF pro Česko

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New Nuclear Development





Energy independence and security for Czechia and for Europe

Being a responsible and intelligent Designer-Owner-Operator is built into EDF's DNA

At EDF, we have in mind that nuclear power is a means of **increasing energy independence and security** for any country, provided that the vendor's technology is also independent and vested in a **long-term engagement** with the contracting country

As a **like-minded nuclear plant designer, owner and operator**, EDF, with the support of the French government, is mobilised to provide the necessary guarantees for a **sovereign Czech new nuclear programme**



Independent technology, under full European ownership



A complete European supply chain, with **geographic proximity** protected by European regulations and laws and subject to European free trade



A secure access to equipment and fuel procurement and fabrication



A long-term partnership for knowledge and resource sharing

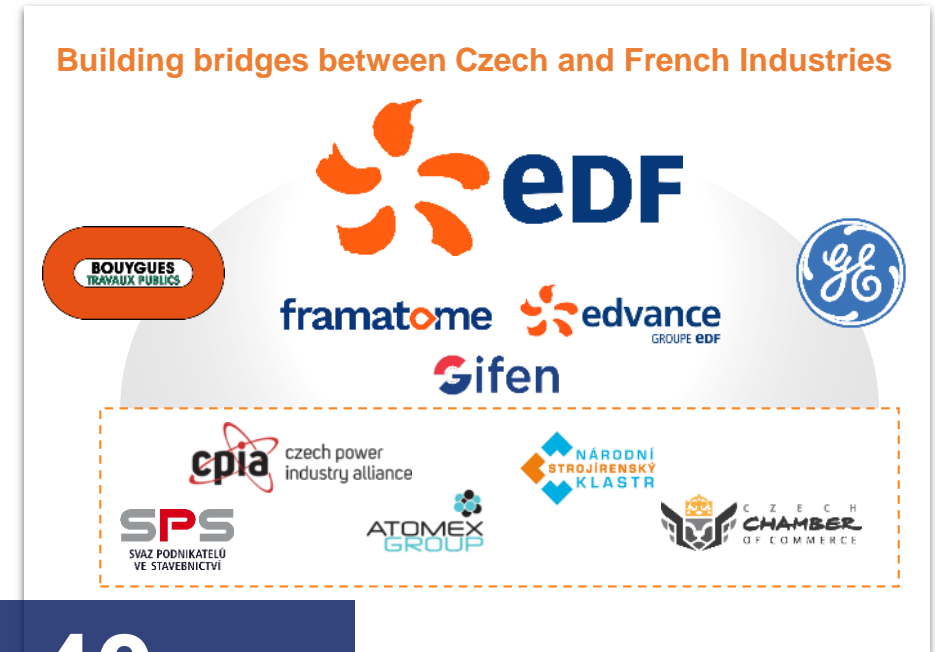
The Nuclear Renaissance in Europe and in the Czech Republic will come with a growing need of skilled resources by 2040

- EDF is already engaged in **strengthening its resources** to support its domestic programme and its pipeline of projects, especially in Europe with the **Dukovany 5 Project**
- **EDF and its partners (Framatome, GE, Bouygues Travaux publics)** are preparing the future with **numerous initiatives to increase their capabilities** at the EU level
- Supporting **Human Capacity Building** and **Localisation** is in our DNA!
- But it comes with **significant investment** on the side both of the vendor and the partner country
- No labour force can be adequately secured without **anticipation** and **forward-looking strategy**



A full scope approach to EPR1200 localisation for Dukovany 5 and beyond based on proven experience

- Localisation and skills development based on **practical experience** in various countries and more recently in the UK (**HPC EPR Project**)
- Sustainable and targeted **localisation programme** for a high level of local content on all levels of the value chain, supporting labor force development
- Advanced and proven **human capacity building** approach involving staff training, and supplier qualification
- Promotion of **long-term French-Czech cross industry partnerships** and **not** just a “subcontracting” approach
- Promoting social engagement and transparent **stakeholder management** practices through the Czech nuclear industry organisations and clusters



+ 40
years

forging a localisation methodology that guarantees economic and industrial benefits for local communities

EDF's multi-level localisation strategy will be implemented for DUKOVANY 5 with in mind the future Czech nuclear fleet as well as in Temelín 3 & 4 and for Dukovany 6

Fostering early engagement with Czech Industry

→ EDF has performed several **pre-qualification visits** at local suppliers' premises in the frame of the EPR1200 Dukovany 5 project.

Mechanical equipment:



Electrical equipment:



Installation activities:



BOP Process:



Cooling Towers:



Radiation Monitoring Systems:



HVAC:



Civil Works:



200 suppliers have already been identified since January 2021. Discussions have been initiated with over 90 of them.

The structure and volume of economic and social benefits depends in particular on four key factors



LOCALISATION – level of involvement of domestic companies in the project



EXPORT – related opportunities for Czech companies to supply nuclear projects abroad



EDUCATION AND TRAINING – the rate of use of domestic human resources



REGION – setting up the project to contribute to the creation of lasting value at the place of implementation



The highest contribution to the Czech economy is associated with the indirect impact of construction through localisation – activation of business chains: CZK 1 generates CZK 1.97.

EDF pro Česko : securing long-term economic and social benefit for Czechia for Dukovany 5 and the future Czech fleet



- An opportunity to create **significant economic value** for the region and the national economy.
- The construction of new nuclear power plant units will have many times **higher economic benefits than the investment itself.**
- The construction itself is linked to number of other economic activities generating additional benefits and opportunities, which are expressed mainly through the **multiplier effects.**



EDF has partnered with CETA (Center for Economic and Market Analyses) in order to map both the potential benefits of the new nuclear projects and also the associated risks.



Every CZK invested induces a total benefit for the Czech economy of CZK 3,27

A multiplier effect in case of expansion of the programme to additional units

	1 unit	2 units	3 units	4 units
Investment (estimate)	CZK 250 billion	CZK 500 billion	CZK 750 billion	CZK 1.000 billion
Of which for the Czech economy	65%	65%	65%	65%
Impact on GDP				
Direct + indirect	CZK 484 billion	CZK 966 billion	CZK 1.450 billion	CZK 1.932 billion
Induced	CZK 48 billion	CZK 96 billion	CZK 144 billion	CZK 192 billion
TOTAL	CZK 532 billion	CZK 1.062 billion	CZK 1.594 billion	CZK 2.124 billion
Impact on public budgets	CZK 183 billion	CZK 365 billion	CZK 548 billion	CZK 731 billion

Source: CETA study, October 2023, based on an input-output analyses with use of data from the Czech Statistical Office.

Unlocking Maximal Value and long-term engagement with Czech Industry

- **Relying on the experienced Czech nuclear industry**
 - Promotion of partnerships between Czech companies and experienced EDF suppliers, each company bringing its knowledge and experience to the partnership:
 - ❑ Czech regulation and working conditions by the Czech companies,
 - ❑ EPR specificities and EDF working process by EDF suppliers

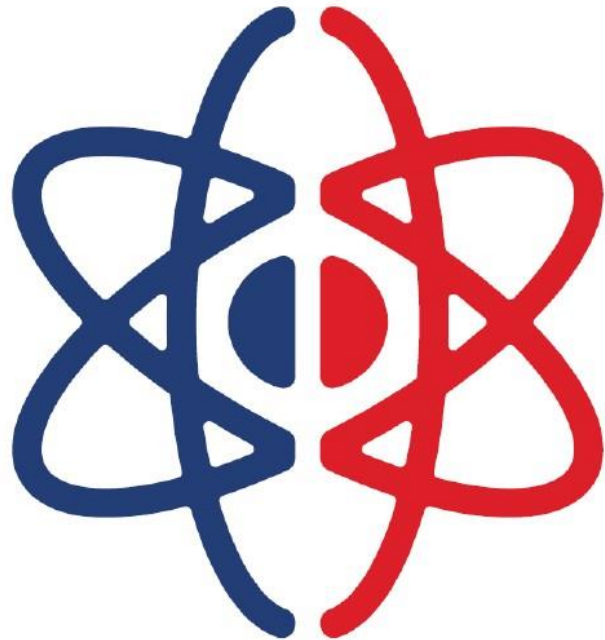
- **Czech companies already successful partners in EPR projects**

- **Implementation of robust localisation plans for all our projects**
 - Networking and creating opportunities : Suppliers Day
 - Converging on shared values and commitments : Partners Day
 - Human capacity building and training : Supplier Academy
 - Fostering synergies of cooperation between Czech Industry and EDF partners
 - Preparing the suppliers for success : company assessment, RFQ exercises, technical specifications



A Czech-French Nuclear Academy to secure the right skills at the right time

- The initiative will facilitate cooperation between both our countries providing a **comprehensive educational platform** at the level of universities, secondary schools and research institutions
- It will also focus on **vocational training and qualification**, with the already existing process of Supply chain qualification process
- Many actions are underway with **Czech universities** and **Suppliers' Academies**.



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