



# SAF

Sdružení agregátorů  
a poskytovatelů flexibility

## Is there a place for Flex in the CZ energy market?

DR4EU workshop – Czech Republic

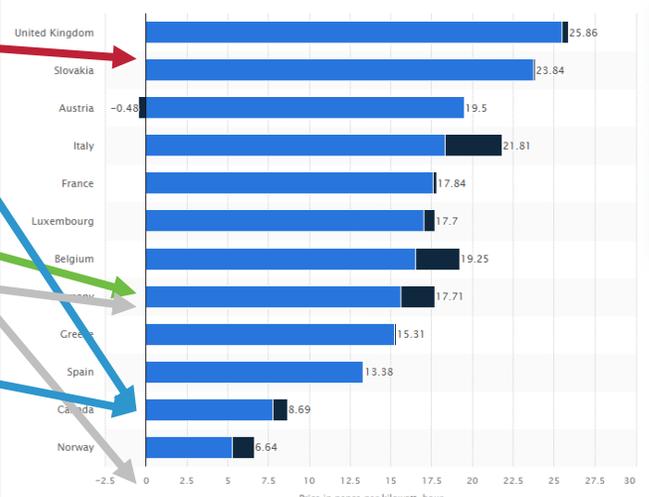
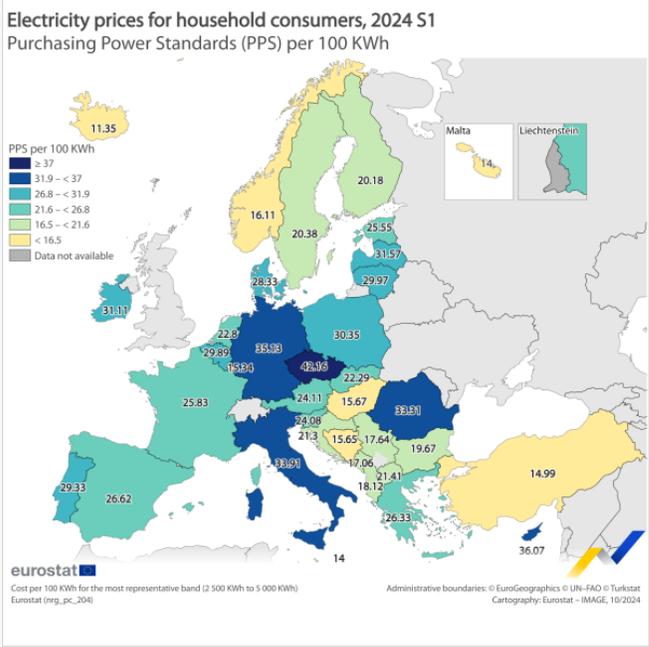
25. 04. 2025

 **AKU-BAT CZ**  
Asociace pro akumulaci energie

# Czech Republic needs a low-emission and affordable energy

- Czech energy strategy relies on **replacement** of nuclear power-plants (2x 1200 MW) by 2037+ and **transitional gas-fired plants** after 2028 (*key law amendment passed just this week*)

Country/Economy	Total GDP (US\$MM)	Agricultural (%)	Industrial (%)	Service (%)	Agricultural (US\$MM)	Industrial (US\$MM)	Service (US\$MM)
China	23,210,000	7.9%	40.5%	51.6%	1,833,590	9,400,050	11,976,360
Czechia	375,900	2.3%	36.9%	60.8%	8,646	138,707	228,547
Russian Federation	4,016,000	4.7%	32.4%	62.3%	188,752	1,301,184	2,501,968
Germany	4,199,000	0.7%	30.7%	68.6%	29,393	1,289,093	2,880,514
European Union	20,850,111	1.6%	25.1%	70.9%	333,600	5,233,350	14,782,650
United States of America	19,490,000	0.9%	19.1%	80.0%	175,410	3,722,590	15,592,000



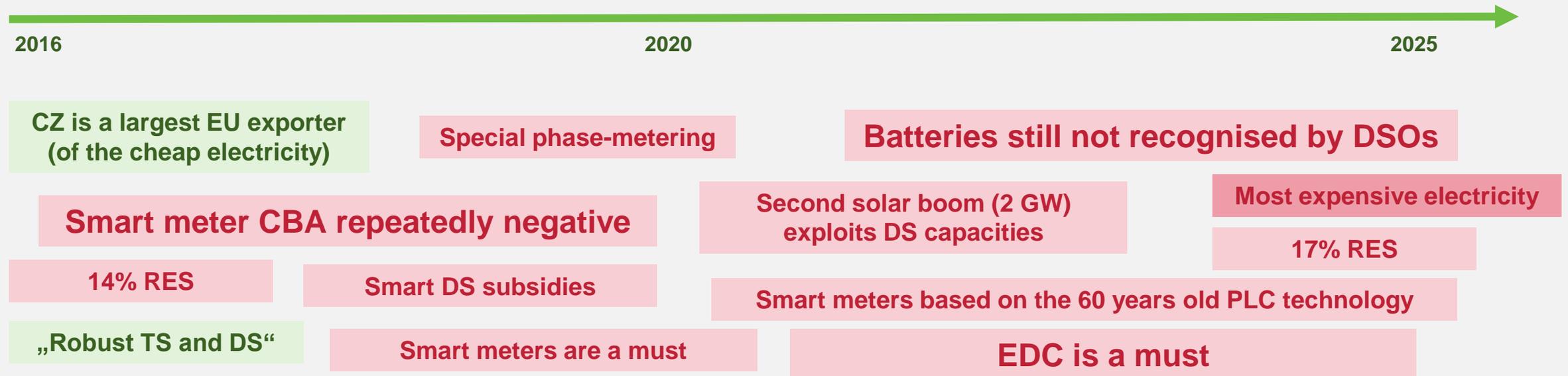
# Renewables and Flex do work together. Why not in Czech Republic?

## EU Winter package implementation Flex killers:

- ▶ The key Energy Act amendment approved in 3/2025, EIF 8/2025 – 12/2027
- ▶ Technical implementation of Flex in the market dependent on DataHub (EDC) that relies on public tendering and a complicated internal governance

**Effective operation of EDC  
by 2028?**

## The story of the modernisation of the Czech coal-based energy market



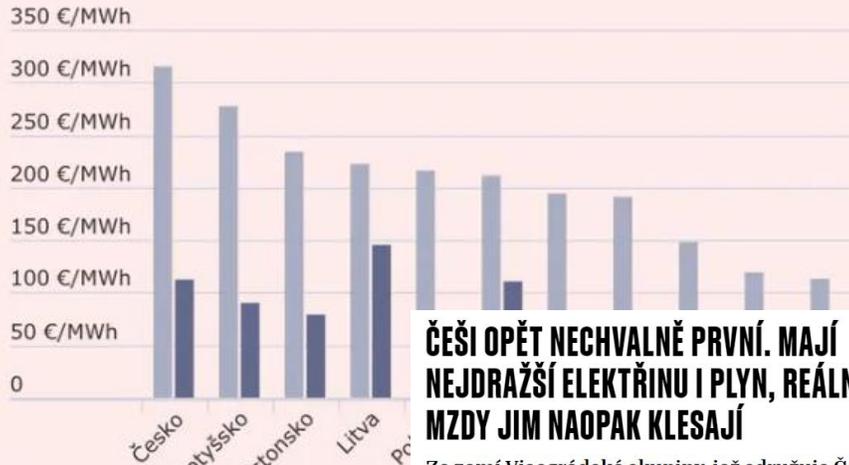
# Czech Republic has recently lost many strategic industry investments due to expensive, carbon-intensive electricity

## Češi platí za energie západní ceny. Jako jediní z východní části EU



PETR JUNA, PETR HOLUB  
vybrat autory ke sledování

2762



### ČEŠI OPĚT NECHVALNĚ PRVNÍ. MAJÍ NEJDRAŽŠÍ ELEKTRINU I PLYN, REÁLNÉ MZDY JIM NAOPAK KLESAJÍ

Ze zemí Visegrádské skupiny, jež sdružuje Česko, Slovensko, Polsko a Maďarsko, mají Češi bezkonkurenčně nejvyšší ceny elektřiny i zemního plynu. Také jim nejvíce od roku 2019 klesly reálné platy.

Velké srovnání cen energií v Evropě

13. 7. 2024 8:49

e15.cz > Byznys > Průmysl a energetika

## Komplikace pro vznik gigafactory. Potřebuje zelenou energii, ale Česko ji nemá



BYZNYS – 11. 9. 2024 – 1 min čtení

## Potvrzeno: Microsoft v Česku datacentrum nepostaví. Ne kvůli byrokracii, ale pro nedostatek čisté energie

„Pokaždé, když jsme narazili na nějakou překážku, dostalo se nám velké podpory a pomoci od vlády,“ uvedl pro HN prezident Microsoftu Brad Smith.

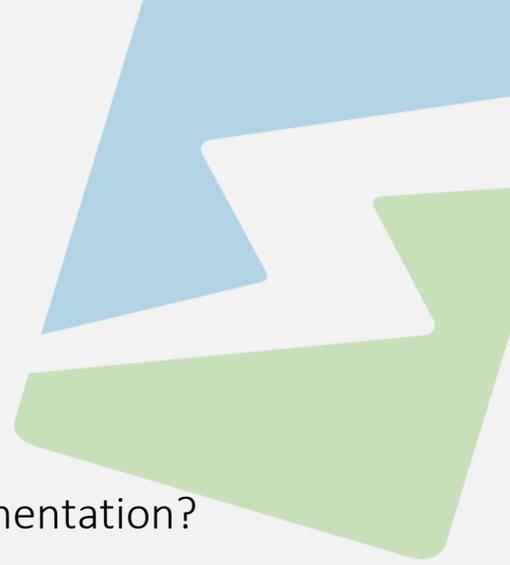
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Tchajwanský výrobce čipů TSMC postaví kousek od českých hranic továrnu za deset miliard eur



# We are starting to move finally towards flexibility, but great obstacles remain

- › MPO starts to promote discussion about Flex implementation
- › NRO stable and effective in recent years
- › **Temporary EDC system for Balancing Flex by 8/2026 (?)** – will it help or postpone the effective implementation?
- › **Stand-alone batteries connected by the first DSO (EG.D)** – the state-owned ČEZ still holds connections, by 10/2025 all DSO must connect batteries, though the DS capacity is already exploited
- › **DS capacity already exploited, but the DSOs claim to make progress after the current novelisation EIF**
- › **DSOs might abandon additional contracting barriers in the Flex approval process** – yet the new scheme seems unclear and might still rely on EDC or induce extensive penalties towards aggregators
- › **Smart metering roll-out still is not fully undergoing**
- › **Great amount of LV-Flex used ineffectively** by the DS PLC-based steering
- › **eMobility scaling will likely cause severe troubles to the DS** unless the approach towards LV-flex changes fast
- › **Dynamic tariff structure drafting hopefully to start soon**, HV tariffs to upgrade by 2027, but there are still voices asking for DS flat-fees, or significant increases in the fixed payments and ex-post energy peak penalties (=Flex penalties)





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[SAF@akubat-asociace.cz](mailto:SAF@akubat-asociace.cz)

[linkedin.com/in/petrrehacek](https://www.linkedin.com/in/petrrehacek)

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