

CZ DEMO – Czech Republic



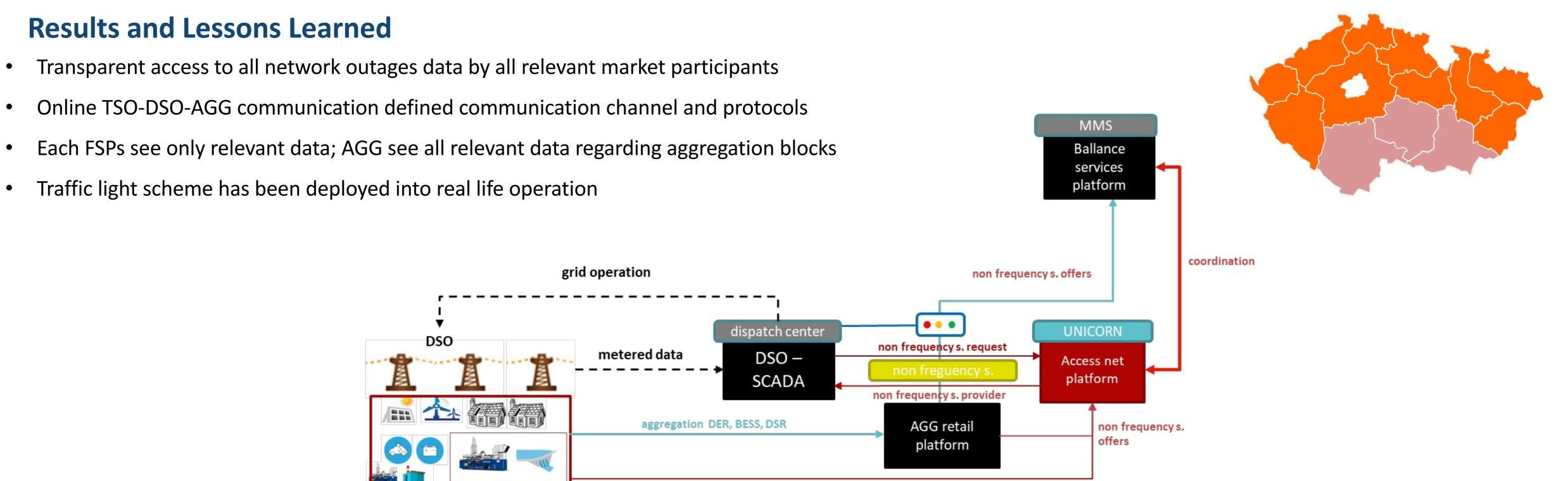
Problem Statement



- CZ DEMO developed environment providing information ۲ on network outages
- Part of tested solution was also a platform enabling ۲ procurement of non frequency services

Demo's Innovation

| Síťový semafor ^(g01) | | | | | | | | | | | | | | | EN 🔻 | EN ▼ +20 ⁰ | | | | | | | |
|------------------------------------|-----------------------------------------------------------|-----------|--------|-----------|-----------|-----|-----|-----|--------|---|-----------------------------------------|-------------------------------|---|----------|------|-----------------------------------------|-------------|-------|-------|-------|-------|-------|-----------|
| | Filters Date 2024-02-12 | ALL 👻 | Device | × | | | | | | | | | | | | | | | | | | | |
| | Devices (164) | Semaphore | | | | | | | | | | | | | | | | | | | | | |
| | | 0-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | | -8 8-9 | | 10-11 | | | -14 14-1 | | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-0 |
| Semaphore | Available Input Power [kW] Available Output Power [kW] | | | | | | | | | | | 53 278.25653 3 285 200 3 2 | | | | | | | | | | | |
| Messages | ČEZd_0041_CL_0171_NN_PSE ① | | • | • 200 200 | • 200 200 | • | • | • • | | | • • • • • • • • • • • • • • • • • • • • | • | 0 | | • | • • • • • • • • • • • • • • • • • • • • | • 200 700 1 | • | • | • | • | • | • 200 700 |
| Download | ČEZd_0041_CL_0604_NN_PSE ① | | • | • | • | • | • | • | | • | • | | • | | • | • | • | • | • | • | • | • | • |
| About Application | ČEZd_0041_CL_0955_PSE ③ | | • | • | • | | • | • | | | • | | • | | | | • | • | • | • | • | • | • |
| | ČEZd_0041_CL_1034_PSE 🛈 | | | | | | • | • | | | | | • | | | | | | | | | | |
| | ČEZd_0041_CL_1050_PSE ③ | | | | • | | • | • | | | | | • | | | | | • | • | • | | | |
| | ČEZd_0041_CL_1081_PSE ③ | | | | | | • | • | | | | | • | | | | | • | | • | • | | |
| | ČEZd_0041_DC_0154_PSE ③ | | • | • | • | | • | • | | | • | | • | | | | | • | • | • | | | • |
| | ČEZd_0041_DC_0238_PE 🛈 | | • | • | • | • | • | • | | • | • | | • | | • | • | • | • | • | • | • | • | • |
| | ČEZd_0041_DC_1027_NN_PSE ① | | • | • | • | • | • | • | | • | • | | • | | | | • | • | • | • | • | | • |
| | ČEZd_0041_JN_0148_PSE | | | | | | • | • | | | • | | • | | | | | • | | • | • | • | • |
| | ČEZd_0041_JN_0149_PSE ① | | | | | | • | • | | | | | • | | | | | | | | | | |
| | ČEZd_0041_JN_0150_PSE ① | | | | | | • | • | | | | | • | | | | | | | | | | • |
| | ČEZd_0041_JN_0474_NN_PSE ① | | • | • | • | | • | • | | | | • | • | | | | | | • | | | | • |
| | ČEZd_0041_JN_6040_NN_PSE ① | | | • | • | | • | • | | | | | • | | | | | | • | | | | • |
| | ČEZd_0041_LB_1191_PE ① | | • | • | • | | • | • | | | • | | • | | | | • | • | | • | | | • |
| | ČEZd_0041_LB_2071_PSE ③ | | | | | | • | • | | | | | • | | | | | | | | | | |
| | ČEZd_0041_LB_4227_PSE ③ | | | | | | • | • | | | | | • | | | | | | | | | | |
| | ČEZd_0041_LN_0030_PSE ① | | • | • | • | | • | • | | | | | • | | | | | | • | | | | • |
| | ČEZd_0041_LN_0042_PSE ③ | | • | • | | • | • | • | | | | | • | | | | • | | • | | | | |
| | ČEZd_0041_LT_0818_PSE ① | | • | • | • | | • | • | | | | • | • | | | | | • | • | • | | | • |
| | ČEZd_0041_MO_0116_PSE ① | | • | • | • | • | • | • | | | | • | • | | | | • | • | • | • | • | | • |
| | ČEZd_0041_MO_0125_PSE ① | | | | • | | | • | | | | | | | | | | | | | | | |



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Main Challenges

Creation of one central level tool with defined standards for different IT systems

All participants had to adapt their own IT systems and connect to central level Tool •

Product definition

Define specific flexibility products to address DSO related issues •

Ensure data governance and access to relevant data

Ensure appropriate data access and data privacy policy (each market participants can • have access only to relevant data)

Recommendations

Appropriate coordination between DSO, TSO and other market participations

Reliable IT tool ensuring data security and privacy standards

Definition of system services and reliable policy environment

