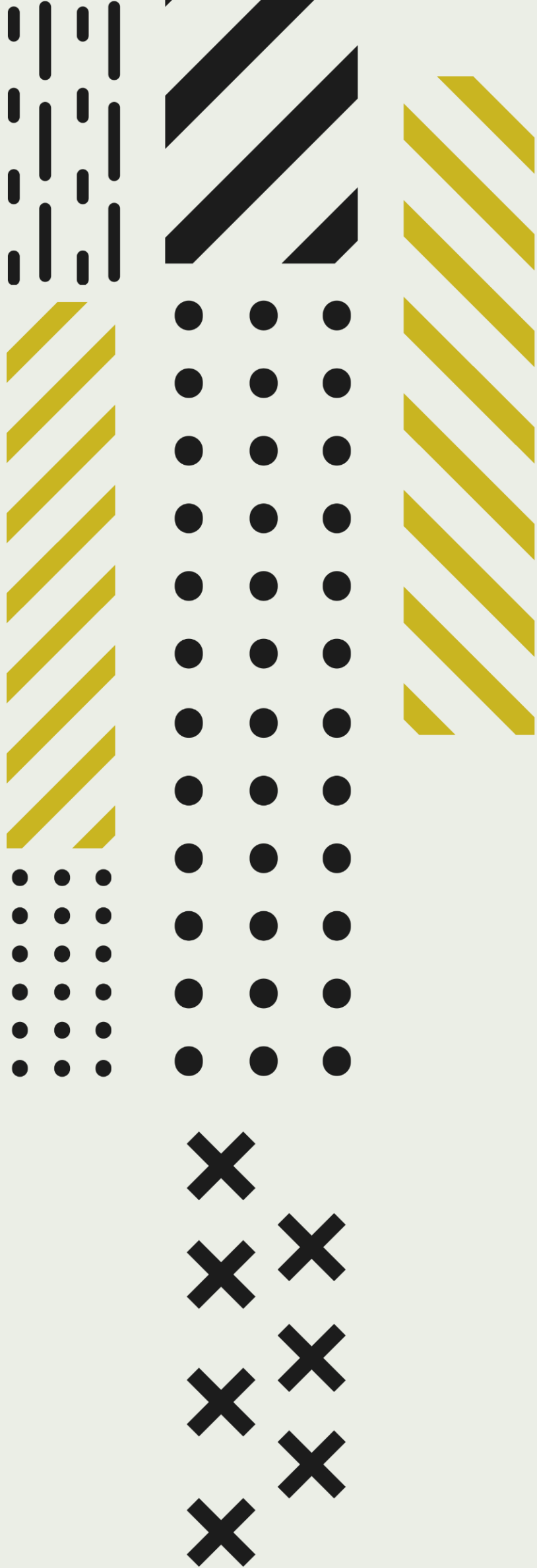


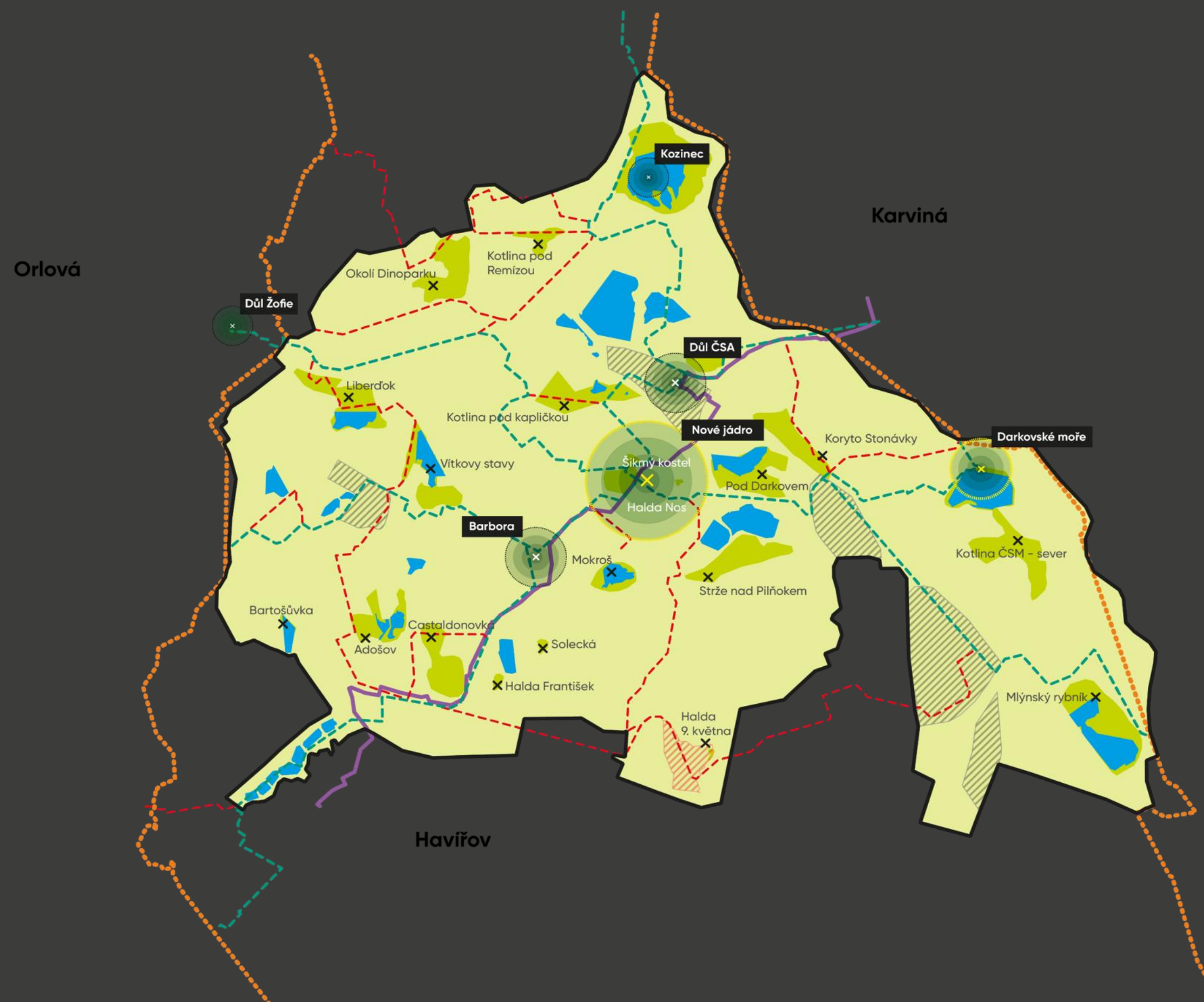


PRO

# OVERVIEW OF ACTIVITIES

Energy conception POHO2030

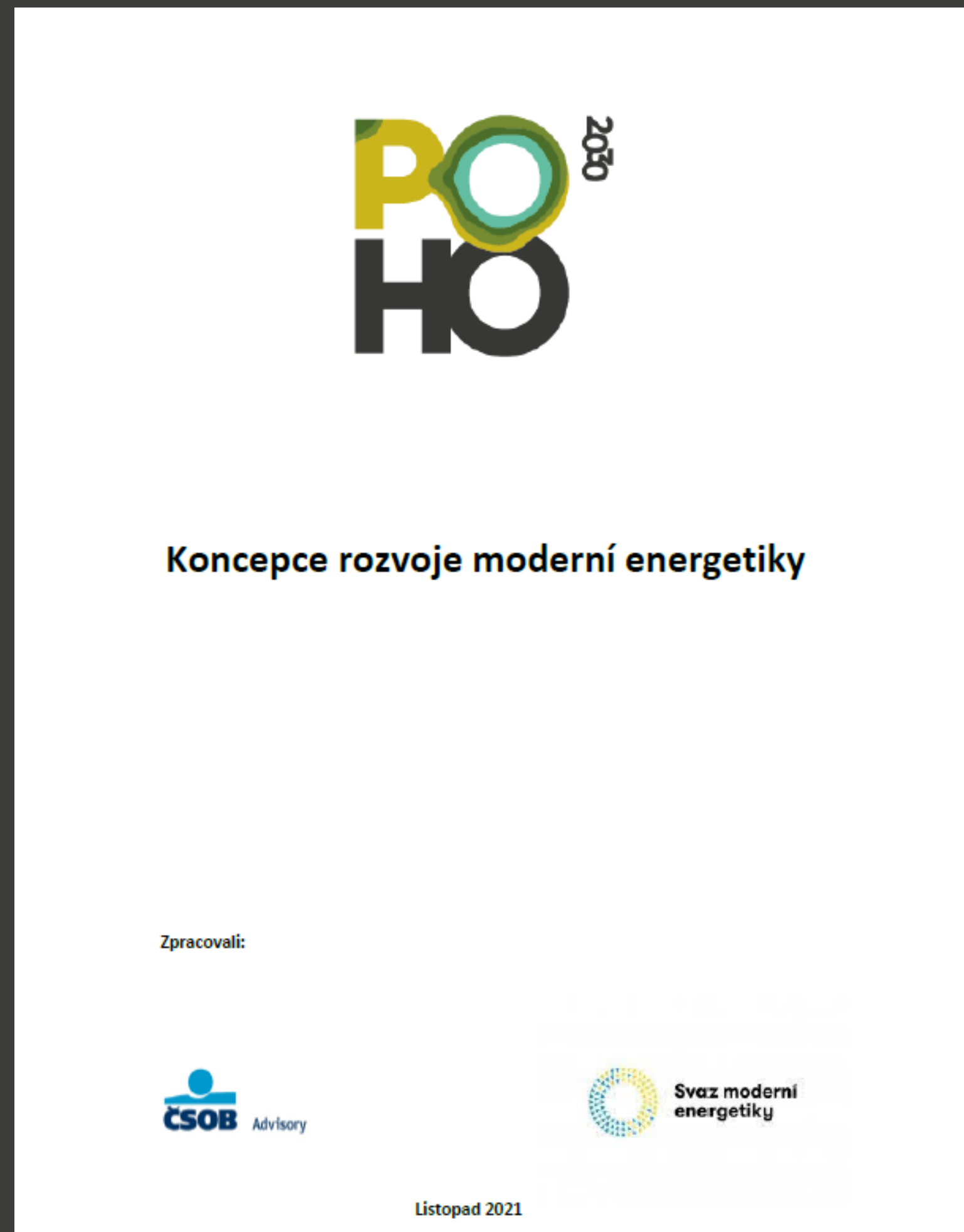
- Summary material of partners, potential use (supply / demand)
- Identification of development areas and topics
- Pilot development projects
- Attractiveness for investors
- Investment opportunities for funds / banks



# TERRITORY ENERGY CONCEPT

## Energy concept POHO2030

- Summary material of partners, potential use (supply / demand)
- Identification of development areas and topics
- Pilot development projects
- Attractiveness for investors
- Investment opportunities for funds / banks

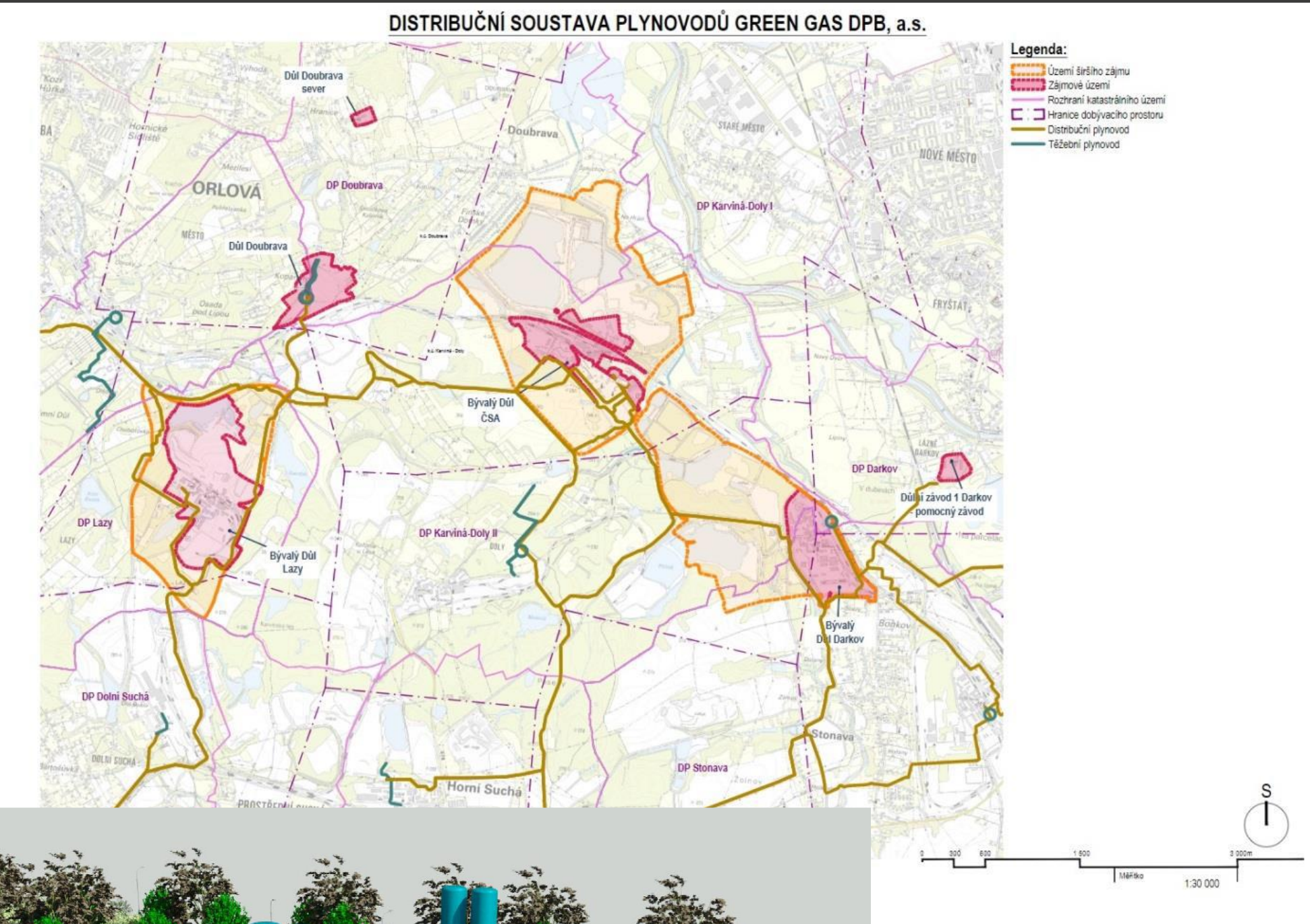
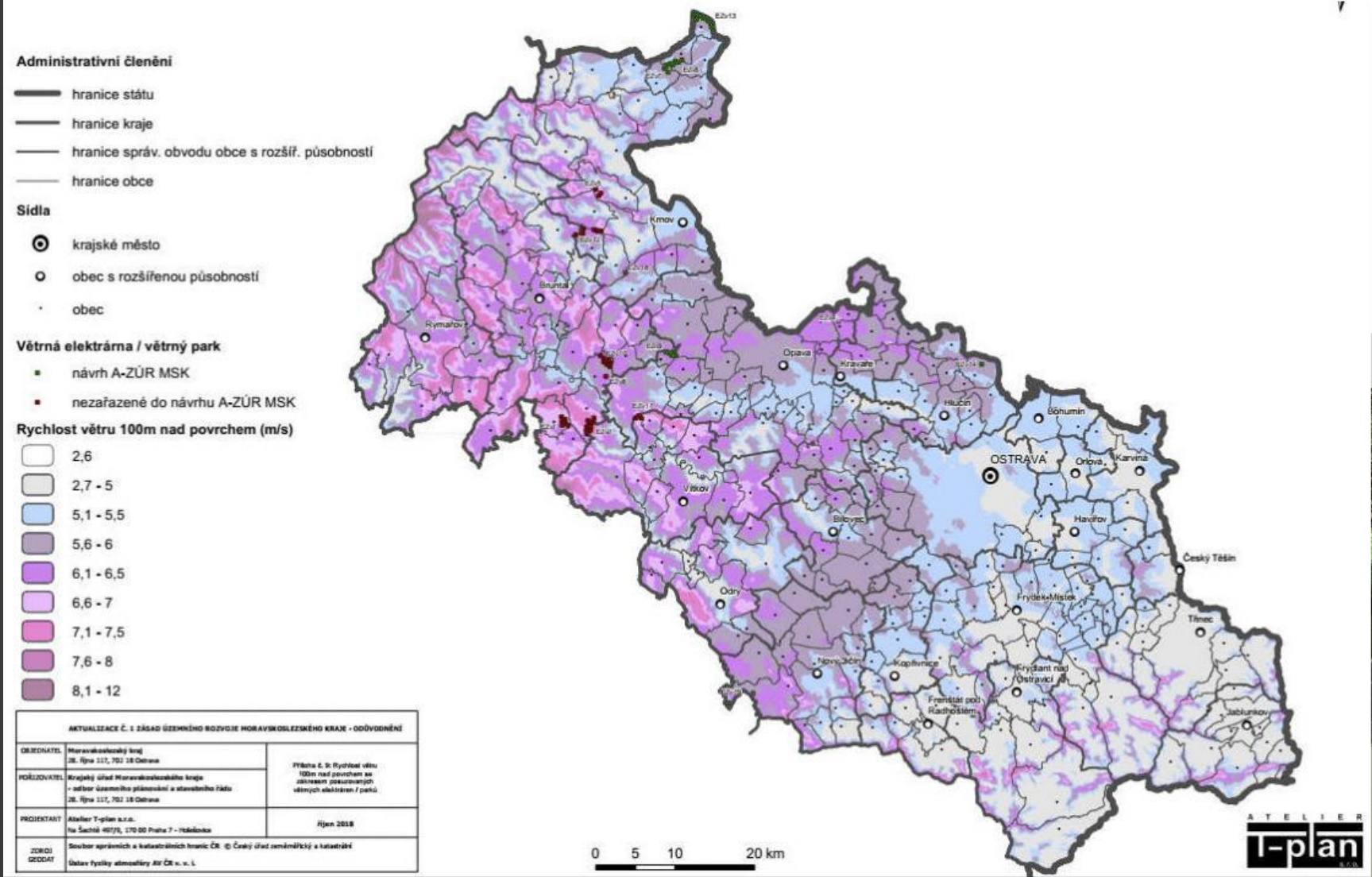




# TERRITORY ENERGY CONCEPT

partial analyzes of the territory  
POHO2030:

- photovoltaics
- wind energy
- geothermal energy
- waste
- mine gas
- H2





**POHO2030.cz**





# SMART-GRID ORLOVÁ



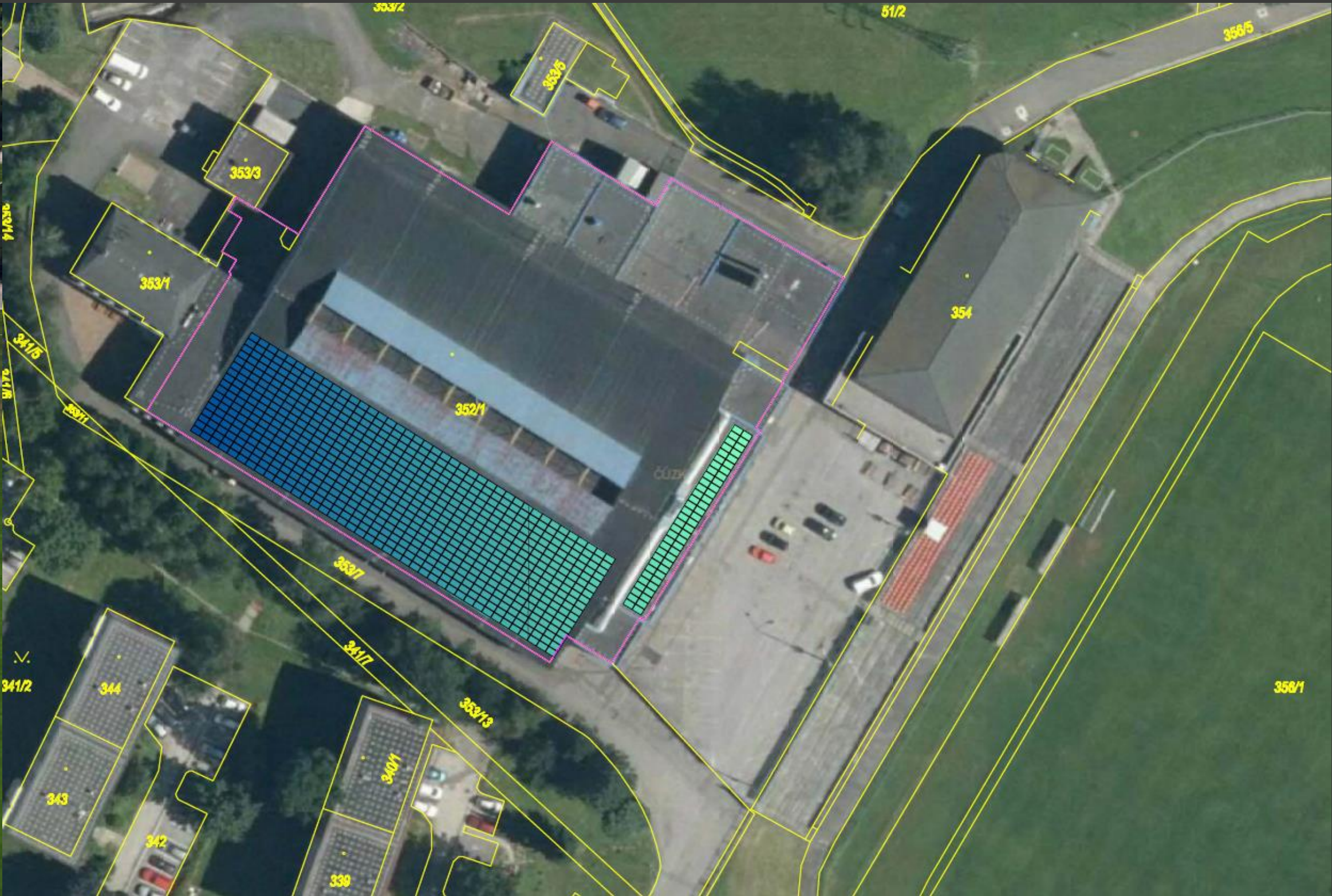


# SMART-GRID ORLOVÁ





# SMART-GRID ORLOVÁ





# SMART-GRID ORLOVÁ



MĚSTSKÝ  
ÚŘAD

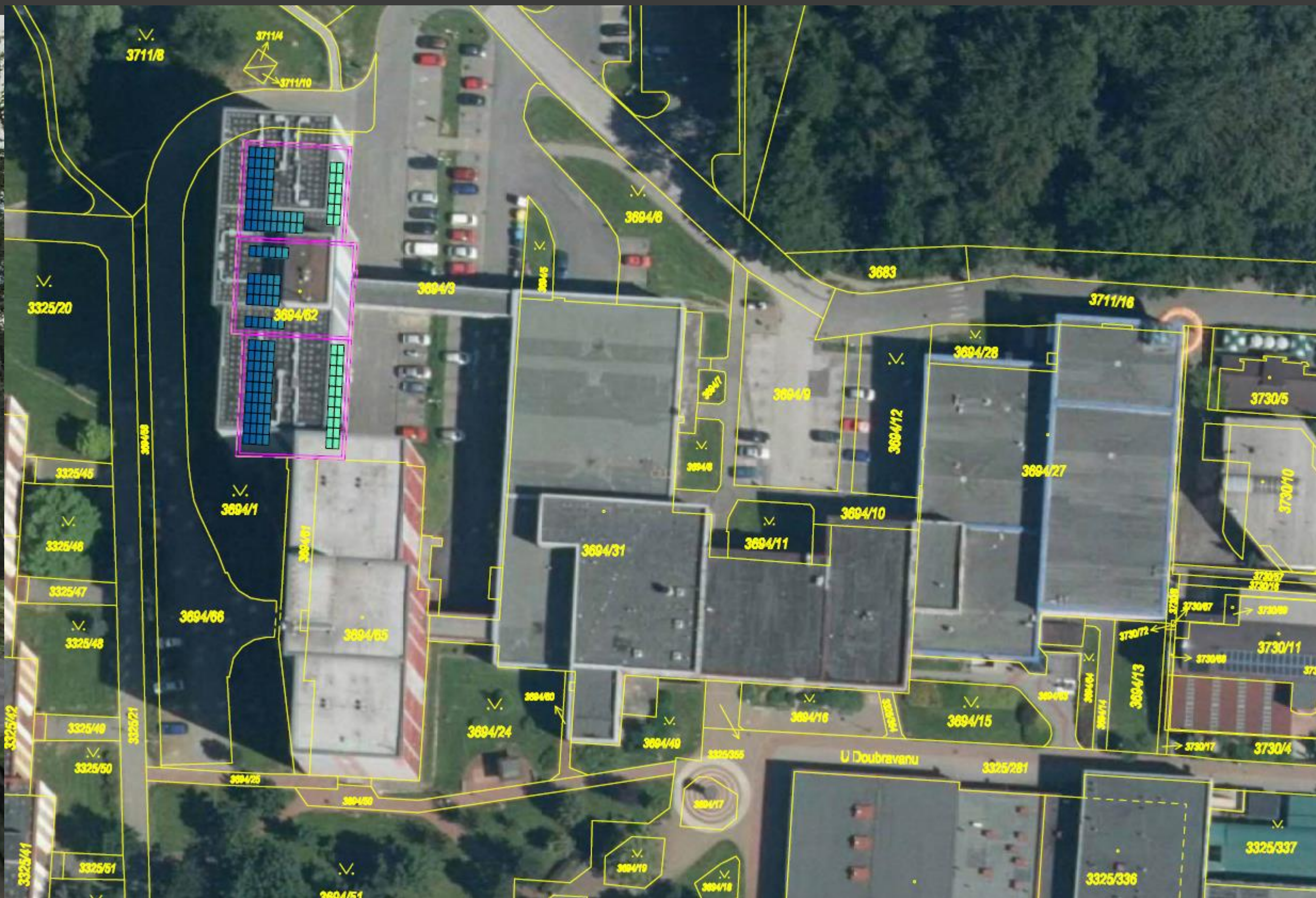




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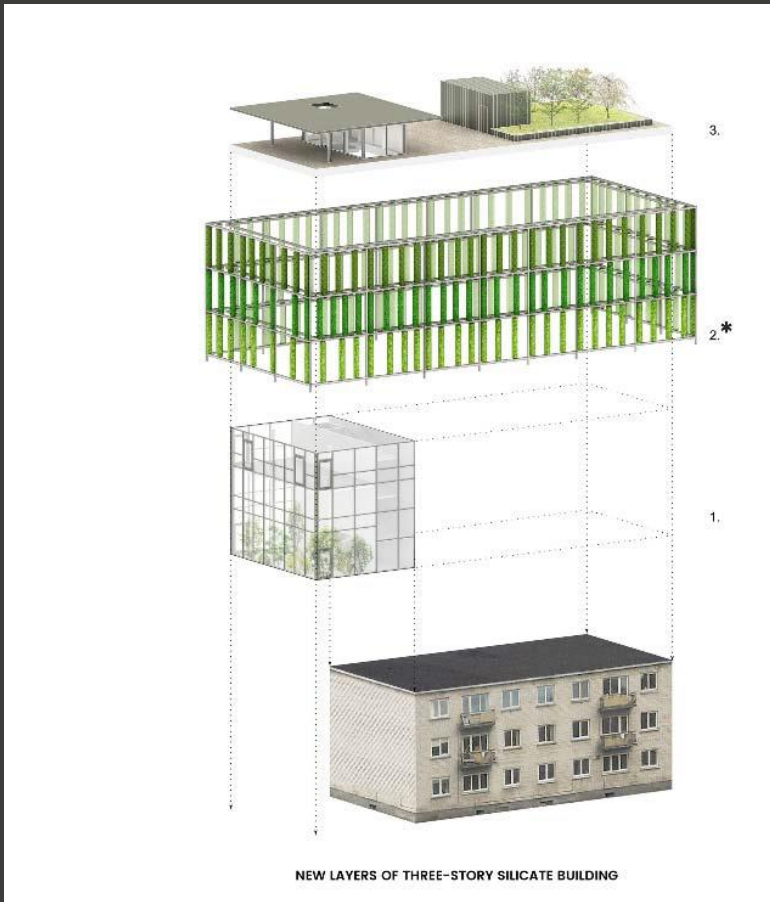


BYTOVÝ DŮM - 1





# SMART-GRID ORLOVÁ

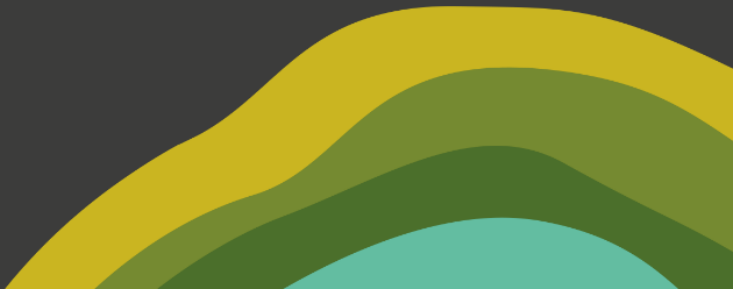






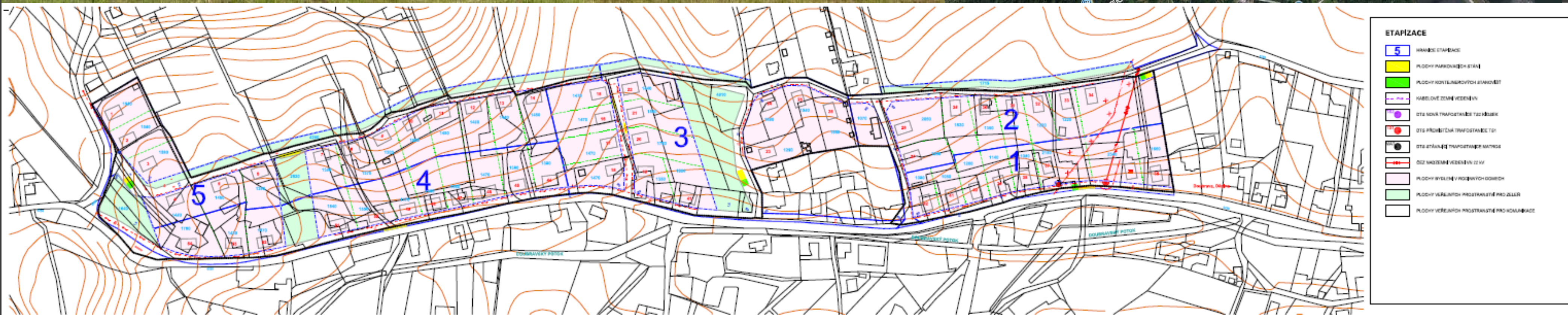
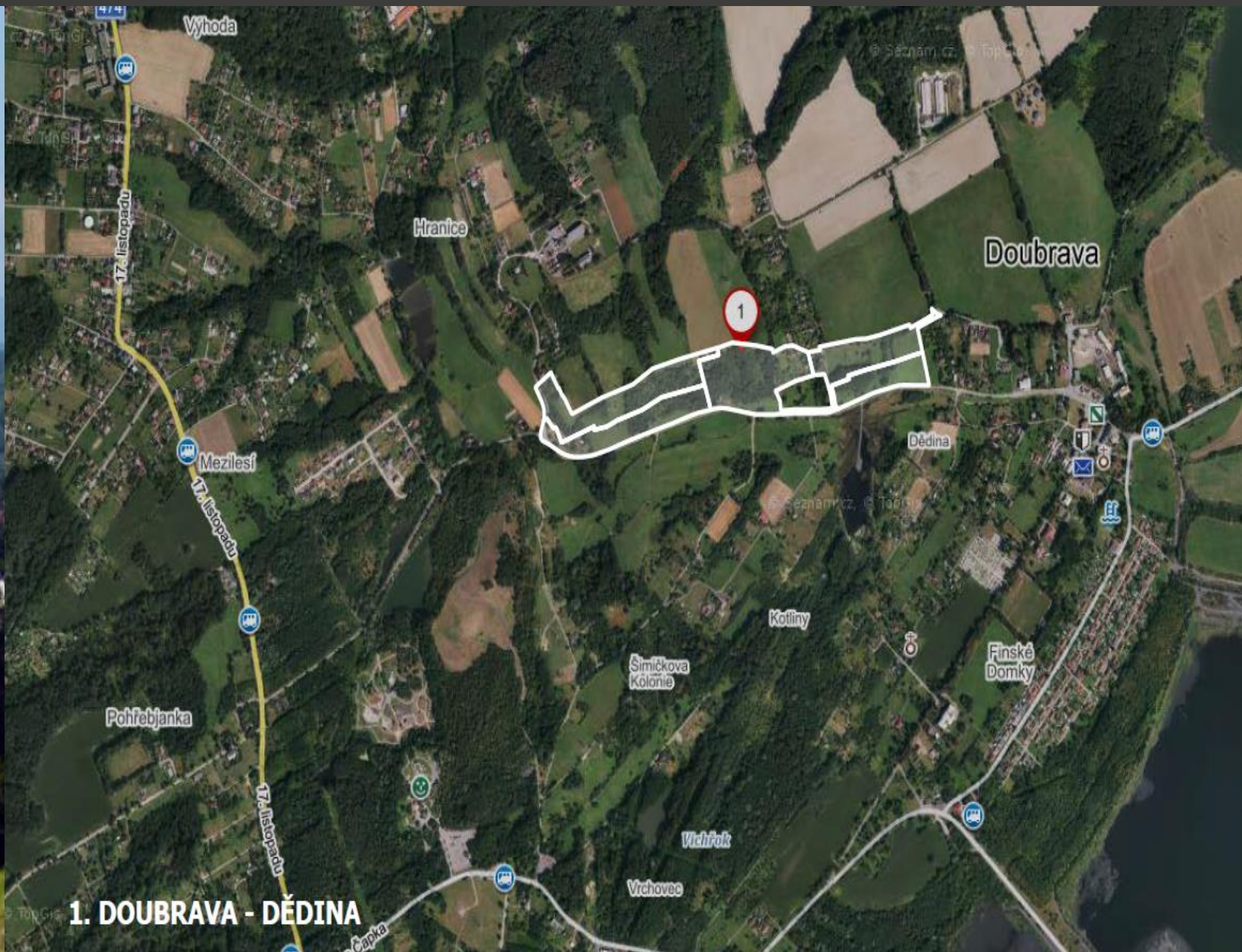
# SMART-GRID ORLOVÁ

| Lokalita                 | Počet panelů v ks | Celková investice v Kč bez DPH | Doba návratnosti v letech | Předpokl. výše dotace | Roční úspora v Kč | Instalovaný výkon v kWp |
|--------------------------|-------------------|--------------------------------|---------------------------|-----------------------|-------------------|-------------------------|
| Zimní stadion Orlová     | 729               | 8 778 579                      | 3,5                       | 50%                   | 861 103           | 328,1                   |
| Budova FK Slavia Orlová  | 160               | 1 933 337                      | 2,9                       | 50%                   | 253 572           | 72,0                    |
| MěÚ Orlová               | 815               | 9 812 520                      | 4,5                       | 50%                   | 575 873           | 366,8                   |
| Dům kultury města Orlová | 1033              | 7 203 596                      | 5,3                       | 50%                   | 454 778           | 464,9                   |
| Bytový dům č. p. 1370    | 141               | 1 704 665                      | 2,2                       | 50%                   | 355 796           | 63,5                    |
| Bytový dům č. p. 1390    | 269               | 3 244 352                      | 2,7                       | 50%                   | 480 306           | 121,1                   |
| Finanční úřad č. p. 1000 | 947               | 11 399 368                     | 5,2                       | 50%                   | 450 123           | 426,2                   |
| Krytý bazén              | 659               | 7 927 006                      | 4,6                       | 50%                   | 427 827           | 296,6                   |
| ZŠ Ke Studánce 1050      | 1296              | 16 546 841                     | 5,6                       | 50%                   | 465 074           | 583,2                   |





# SMART-GRID DOUBRAVA



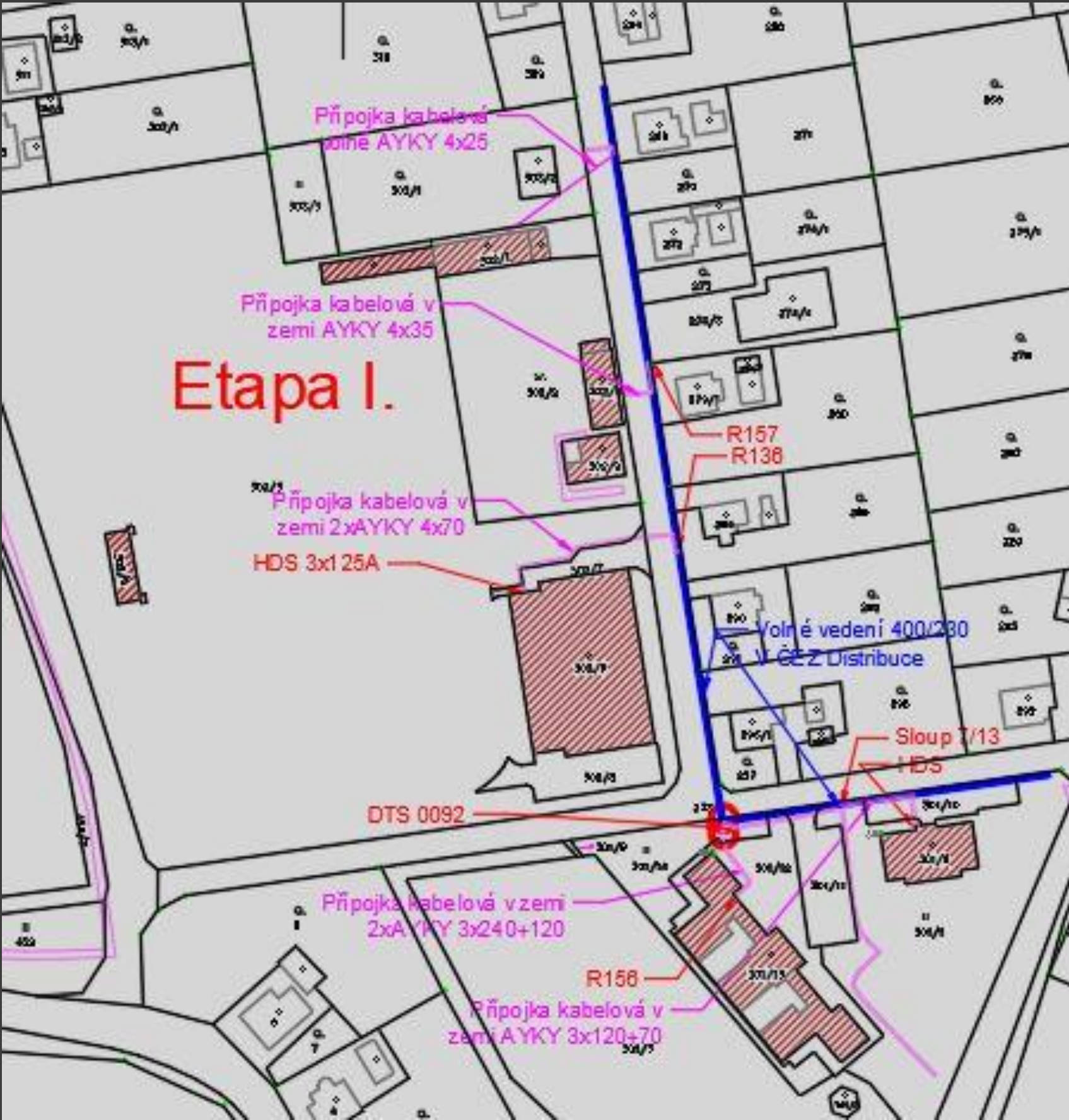


# SMART-GRID STONAVA





SMART-GRID STONAVA



| Etapa I. - každý objekt samostatně | Instalovaný výkon | Investiční náklady | Roční výroba | Roční spotřeba | Pokrytí spotřeby vlastní výrobou | Přetok výroby do sítě | Úspora - spotřeba vlastní energie | Výnosy - prodej přetoků | Roční úspora + výnosy celkem | Návratnost investice bez dotace | Návratnost investice s dotací 30% |
|------------------------------------|-------------------|--------------------|--------------|----------------|----------------------------------|-----------------------|-----------------------------------|-------------------------|------------------------------|---------------------------------|-----------------------------------|
|                                    | [kWp]             | [CZK]              | [MWh]        | [MWh]          | [MWh]                            | [MWh]                 | [CZK]                             | [CZK]                   |                              | [rok]                           | [rok]                             |
| BD1170                             | 61,20             | 1 468 800,00       | 55,80        | 5,00           | 2,60                             | 53,20                 | 15 600,00                         | 159 600,00              | 175 200,00                   | 8,38                            | 5,87                              |
| BD1111                             | 3,15              | 75 600,00          | 2,86         | 1,80           | 0,70                             | 2,16                  | 4 200,00                          | 6 480,00                | 10 680,00                    | 7,08                            | 4,96                              |
| Sauna                              | 29,30             | 703 200,00         | 25,80        | 10,20          | 4,60                             | 21,20                 | 27 600,00                         | 63 600,00               | 91 200,00                    | 7,71                            | 5,40                              |
| Sportovní klub                     | 88,70             | 2 128 800,00       | 81,20        | 1,85           | 1,00                             | 80,20                 | 6 000,00                          | 240 600,00              | 246 600,00                   | 8,63                            | 6,04                              |
| Sportovní hala                     | 165,10            | 3 962 400,00       | 148,90       | 11,00          | 5,90                             | 143,00                | 35 400,00                         | 429 000,00              | 464 400,00                   | 8,53                            | 5,97                              |
| Celkem                             | 347,45            | 8 338 800,00       | 314,56       | 29,85          | 14,80                            | 299,76                | 88 800,00                         | 899 280,00              | 988 080,00                   |                                 |                                   |



# BIOWASTE – BIOMETHAN





# TECHNOLOGY PROJECTS

Implementation of a platform for pilot/technology projects and startup acceleration with the support of ČSOB Start It

Utilization of mine gas/waste heat, Orlová, Doubrava

Photovoltaics - community energy (sports, administrative complex), Orlová, Doubrava

Floating photovoltaics - Veolia CSA tailings pond

Agri-photovoltaics - Stonava Farm

Community energy - Stonava, Doubrava, Orlová





# TECHNOLOGY PROJECTS







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