



H₂ TRIANGLE

FOR H2ENERGY s.r.o. strategic project



Location



Strategic Industrial Zone Triangle
Bitovzeves, Louny district

= strategic location between districts
negatively affected by the end of coal mining
i.e., Chomutov, Most and Louny

Project H₂ TRIANGLE will secure:

- **New job opportunities for dismissed workers from the mining industry**
- **Green energy supply for the investors in the only strategic industrial zone in the Usti nad Labem region**



Strategic project H₂ TRIANGLE



Research & Development



Manufacturing and assembling halls



Photovoltaic power plant



Electrolytical production of green H₂



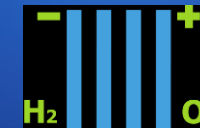
Compression



Storage



Refueling station



Fuel Cell

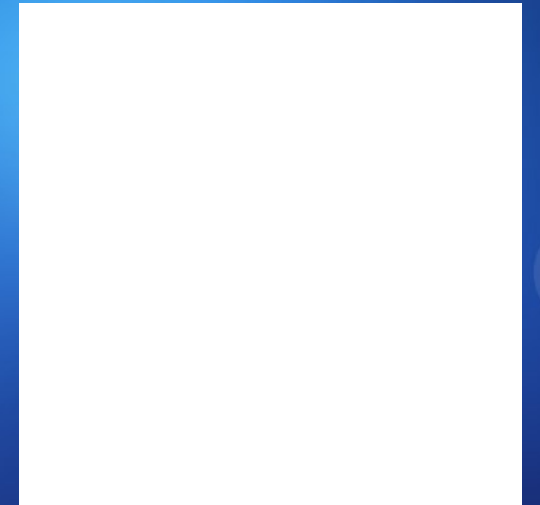
Current project schedule

- **01 / 2021 – 12 / 2022** – Negotiations with landowners, EIA a building permit
- **01 / 2023 – 12 / 2024**
 - Construction of H₂ production unit, administrative buildings and refueling station
 - Hall no. 1 incl. PV
 - Temporary installation of PV on the ground
- **01/2026 – 12/2026** – Hall no. 2, relocation of a part of PV on the roof of Hall no. 2
- **01/2028 – 12/2028** – Hall no. 3, relocation of a part of PV on the roof of Hall no. 3
- **01/2030 – 12/ 2030** – Hall no. 4, relocation of a part of PV on the roof of Hall no. 4
- **01/2032 – 12/2032** – Hall no. 5, relocation of a part of PV on the roof of Hall no. 5

Project readiness

Currently, the following activities are being carried out in line with the schedule:

- 1. Extensive feasibility study**
- 2. Proprietary negotiations**
- 3. Project documentation for:**
 - I. EIA – Environmental Impact Assessment
 - II. Site permit
 - III. Building permit



List of risks during the project preparation

I. Economic risks

- Failure to receive funding
- Inflation
- Economic crisis

II. Contractual risks

- Changes in laws and regulations

III. Societal risks

- “Fear” of hydrogen and unwillingness to buy H₂ technologies

IV. Project realization risks

- Late construction delivery
- Engineering / design shortcomings
- Permitting process delays

V. Risks associated with construction delivery

- Supplier’s failure to deliver the construction

Project partners

Project holder: FOR H2ENERGY s.r.o.

Project partners:

- **Usti nad Labem region authority** – land, Triangle services
- **UJEP and project SYNERGYS** – R&D
- **Fund HYDROGEN1** – financing
- **CHEMINVEST s.r.o.** – engineering, R&D
- **Companies in the Industrial Zone Triangle complex** – hydrogen and green energy offtake

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