

Status of Visaginas NPP Project

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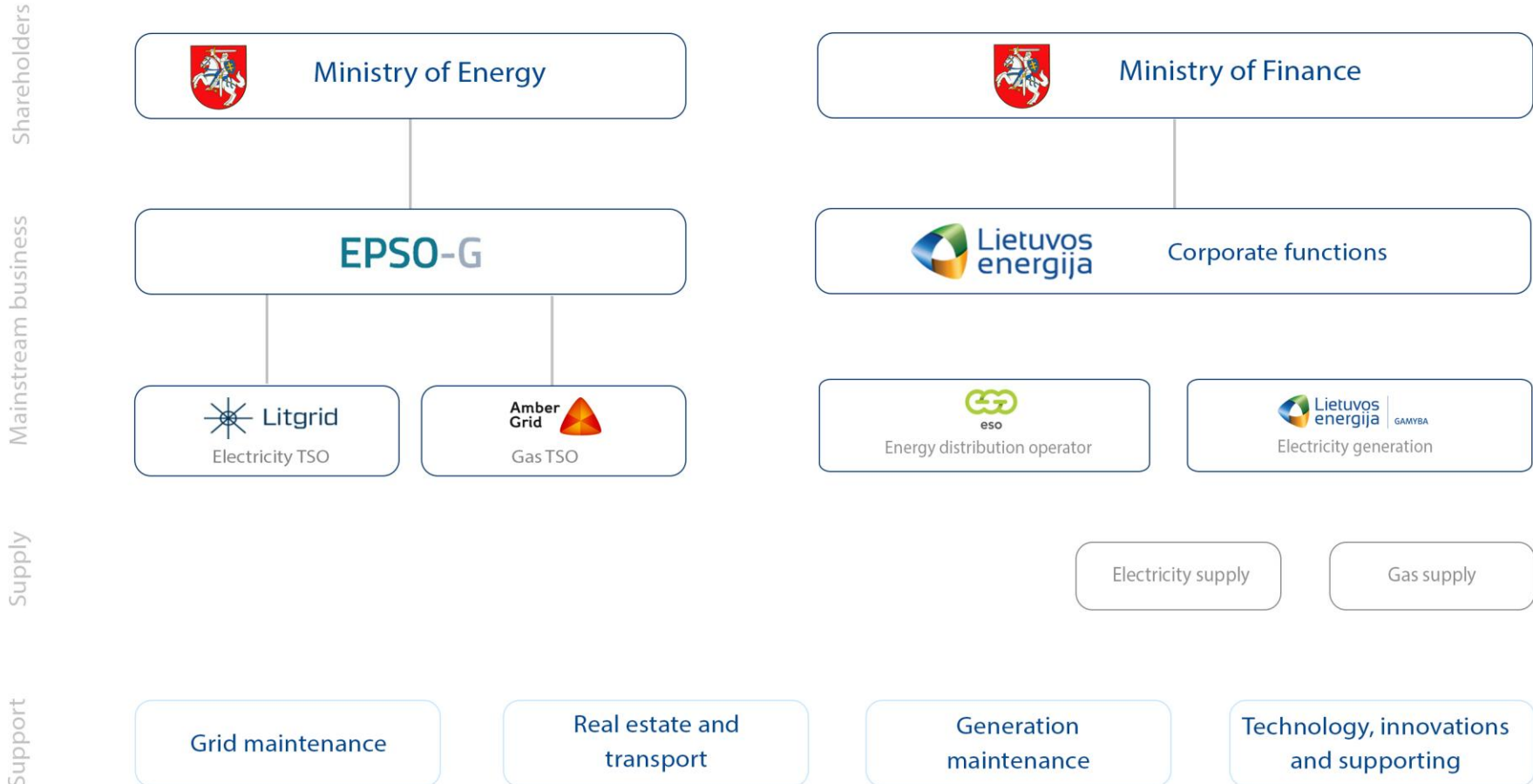
BRILLIANT Project WP5 meeting
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BALTIC REGION INITIATIVE FOR
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NUCLEAR TECHNOLOGIES

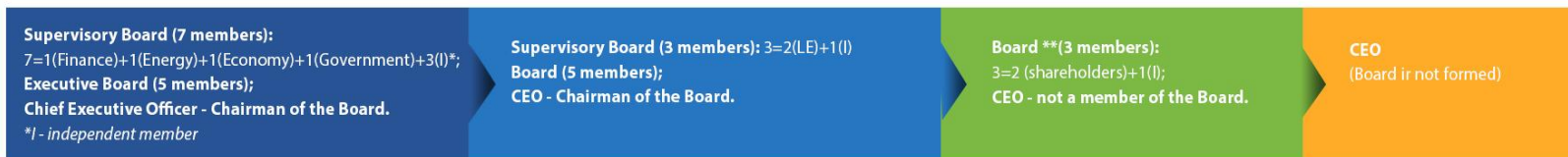
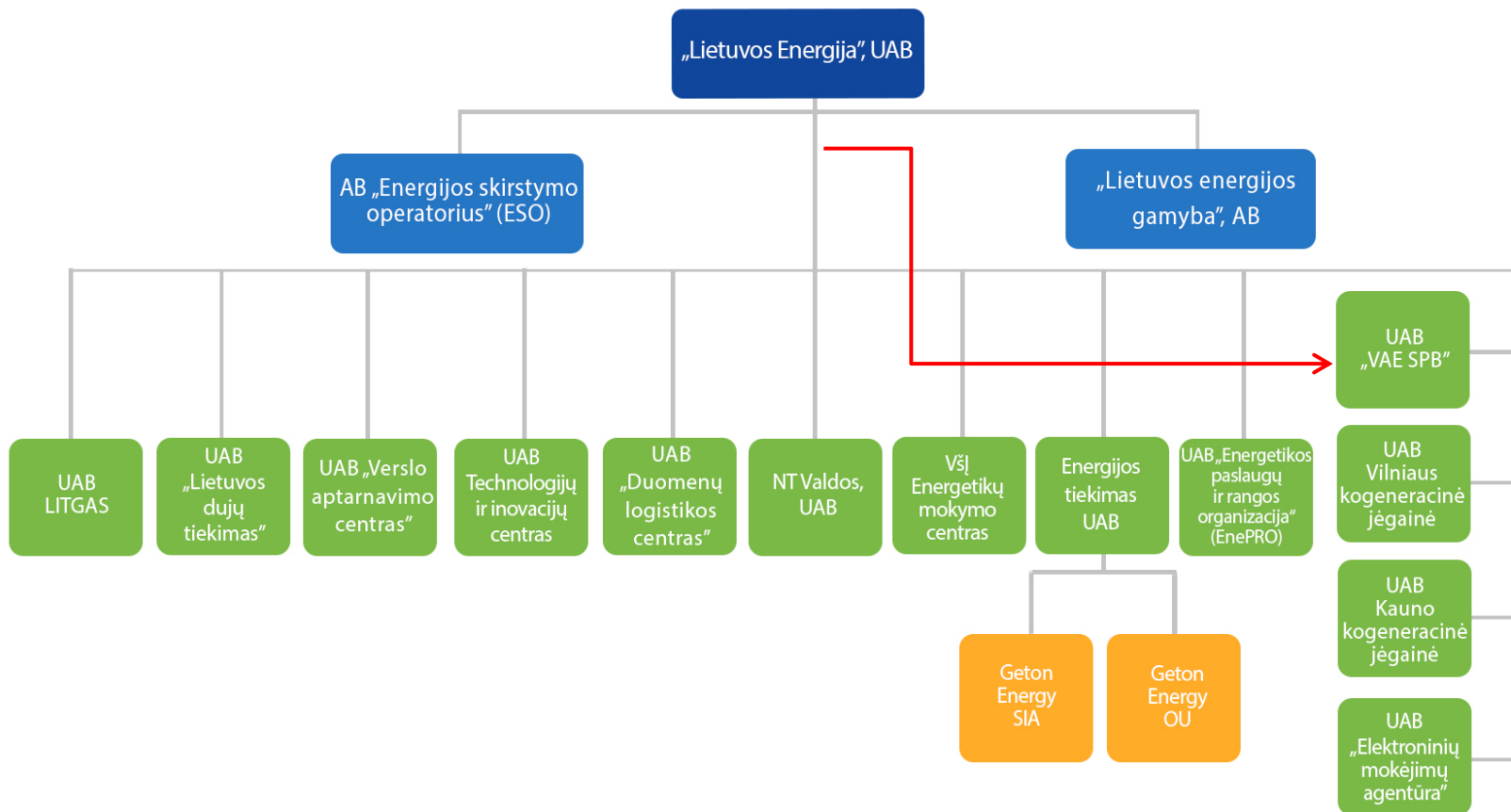
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1. Structure of Lithuania's energy sector

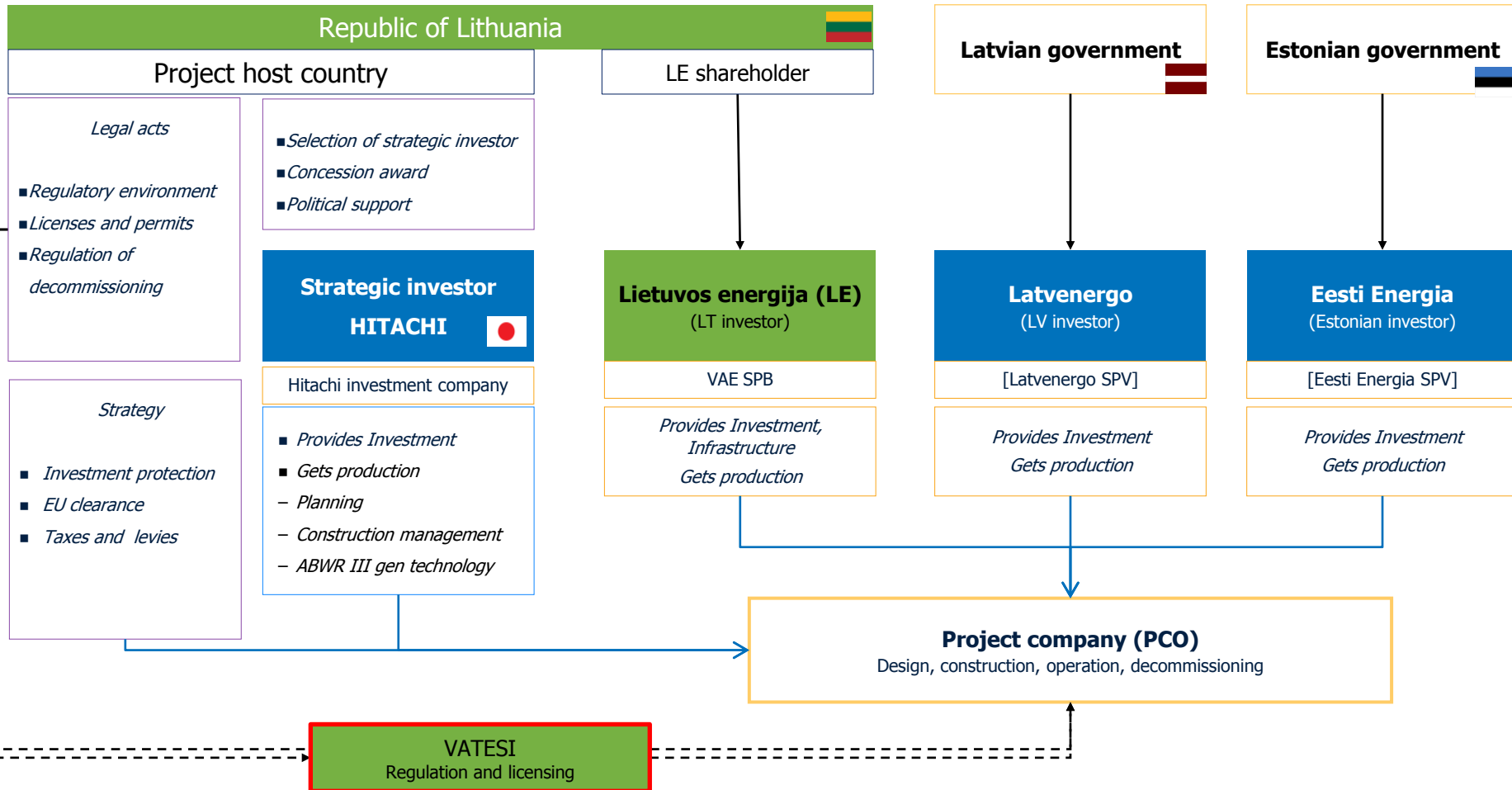


1. Management structure of Lietuvos Energija, UAB group



**Board structure is different across companies: the Board is not formed in special purpose companies until active operations thereof; the Board of service providers is formed ensuring the representation of all shareholders

2. Visaginas NPP Project organization



3. Visaginas NPP sites: evaluation and approvals (EIA and site evaluation)



23 Apr 2009 Environmental impact assessment conclusion indicates necessity to carry out a site evaluation

2010 preparation of Site Evaluation Report concludes that both sites have favorable conditions for new NPP construction

Dec 2011 Revised according to IAEA recommendations and independently reviewed Site Report submitted to VATESI

Dec 2012 Revised Site Evaluation Report re-submitted to VATESI

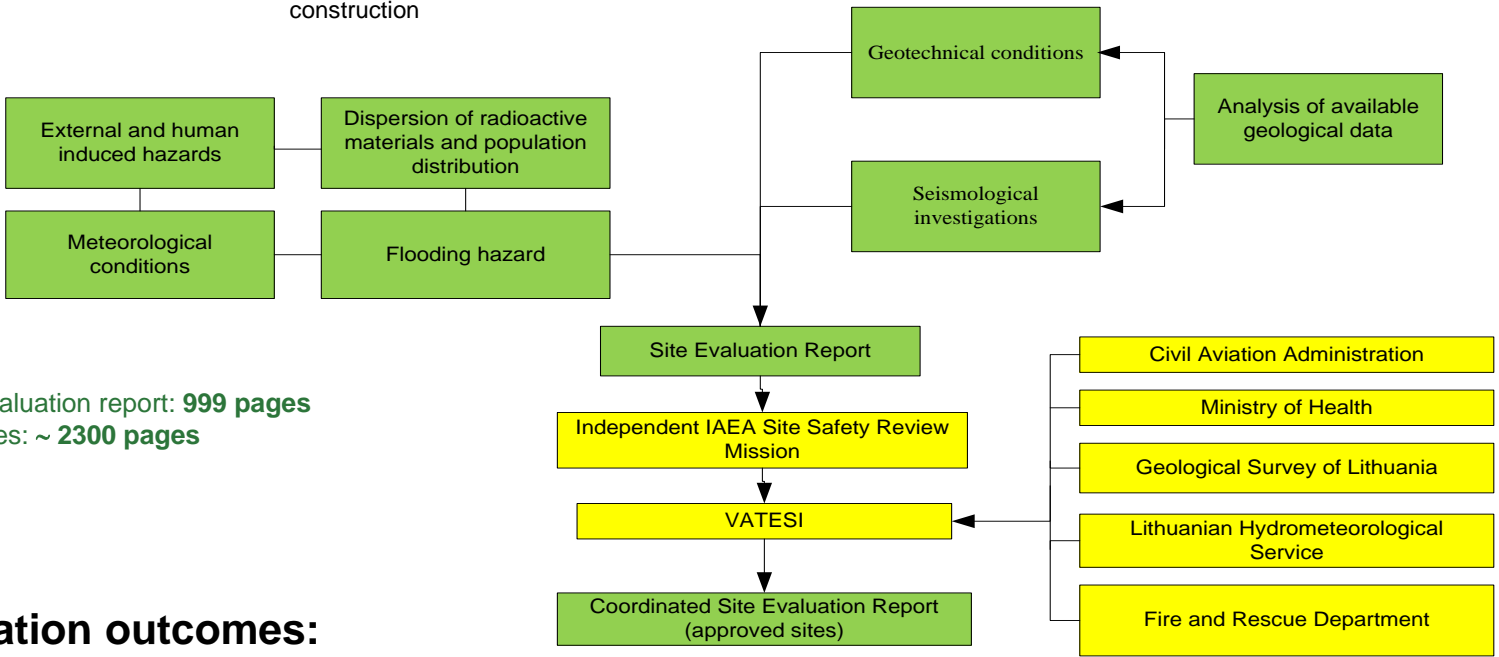
30 Oct 2014 Visaginas sites approved by regulator (VATESI)

2009-2010 New geological, geotechnical and seismic investigations

7-12 Nov 2010 Independent IAEA site safety review mission concludes that sites are suitable for new NPP construction

Aug 2012 VATESI provided comments for Site Evaluation Report

2013-2014 Positive conclusions from Aviation Administration, Min of Health, Geological Survey, Hydro meteorological Service, Fire and Rescue department



- Site evaluation report: **999 pages**
- Annexes: **~ 2300 pages**

Coordination outcomes:

- Coordinated with 7 neighboring countries (Environmental Impact Assessment Report [EIA]);
- Coordinated with IAEA (EIA Report and Site Evaluation Report [SER]);
- Coordinated with 11 Lithuanian institutions with final decision from the Ministry of Environment (EIA);
- Coordinated with 7 Lithuanian institutions with final decision from VATESI (SER);
- Evaluation and approvals **have taken 7 years and is fully completed.**

3. VNPP sites approval: results and readiness



VATESI conclusions

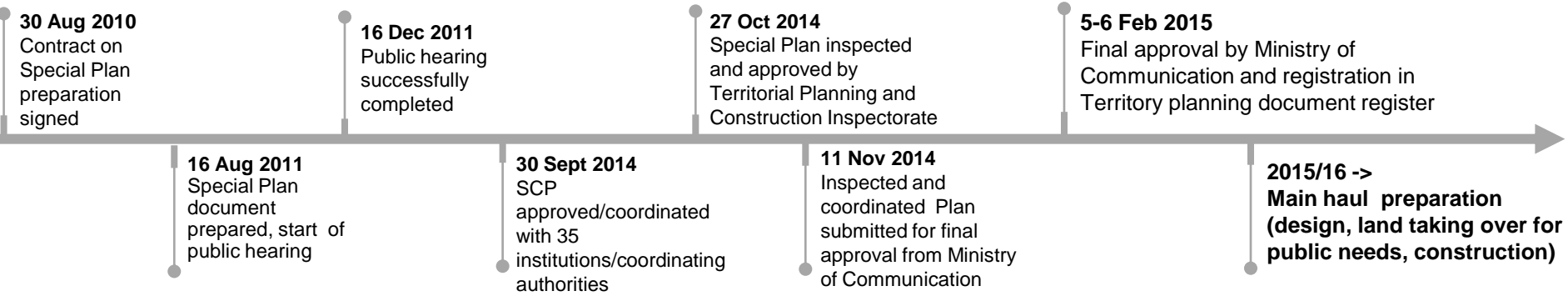
- Site evaluation performed in accordance to Lithuanian and IAEA requirements
- Evaluation methodology and conclusions made are justified
- Based on provided information and positive conclusions from coordinating authorities, the Site Evaluation Report is approved (coordinated) by VATESI in October 2014

Approved Sites Evaluation Report

- **One of major licensing process milestones** – Sites Evaluation Report approval is a second major step in NPP construction licensing process in Lithuania. It comprises a part of application for Construction and Operation License
- **Permits to start design procedure** – Sites Evaluation Report shall be coordinated with VATESI before starting design process for new NPP (Nuclear Safety Law)
- **Provides Design Basis parameters and conditions** for new NPP design
- **The remaining license is Construction & Operation License** (to be obtained by the Operator before Final Investment Decision, FID)

Visaginas NPP sites – very high readiness: complies with all IAEA and VATESI requirements

4. Special transportation route plan development

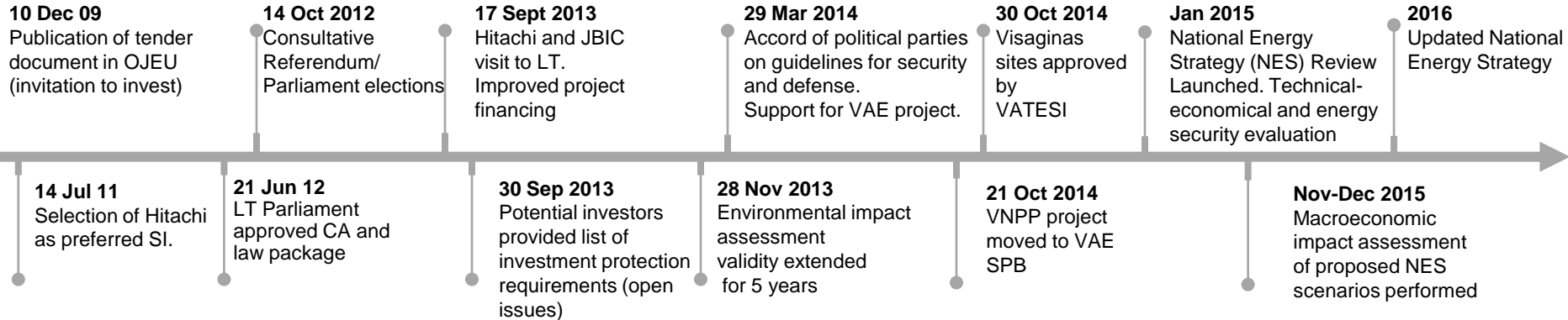


Owners of the process:

1. **Special transportation route plan development** – VAE SPB, UAB.
2. **Implementation of Route plan solutions** – Ministry of Energy, Lithuanian road authority under the Ministry of Transport and Communications, Municipalities.



5. New nuclear power plant project – major events



Visaginas NPP sites

Preferred site: No. 1
Site preparations completed on 2 alternative sites;



Project technical and legal maturity factors

- Strategic Investor selected in July of 2011: Hitachi Ltd. together with Hitachi-GE Nuclear Energy Ltd.;
- Technology chosen: III generation 1350 MWe ABWR;
- Favorable opinion from the European Commission regarding the Visaginas NPP project under Article 41 of Euratom Treaty received;
- Preparation and approval of 70 legal acts by the Government and Lithuanian Parliament;
- Valid Environmental Impact Assessment (EIA);
- Selection of equipment transportation routes;
- Radioactive waste management program;
- Territorial planning;
- Supply Chain Study;
- Existing infrastructure assessment and other activities;
- Visaginas NPP sites approved by regulator (VATESI).

Thank you very much for your attention!