



ENERGY SECTOR CASE STUDY

Value Stream and
IT Agile Transformation

BENEFITS

- Agreement times increased from 160 days to 15 days (average).
- IT Teams are visualized and managed their dependencies.
- IT Team and Business teams are aligned about Quarterly goals.
- IT Teams used Scrum and Kanban methods to deliver projects sooner to get feedback and deliver value often.



Entek Elektrik started its investment activities in 1995. Its first facility was the Natural Gas Power Plant established in Bursa in 1998. In the following years, Kocaeli Natural Gas Power Plant was included in the portfolio.

Finally, with the purchase of Sloęlu Wind Power Plant in Edirne in 2021, which has an installed power of 60 MW, its total installed power reached 437 MW.

Entek continues its electricity production activities with 10 power plants installed in 6 different cities.

CHALLENGES

- The new project agreements were taking too much time
- Bottleneck about some resources
- Lots of handback and approval hierarchy
- Team of teams alignment problems
- Mid-term IT capacity management problems
- Network and Security teams backlog didn't visualize, because of this they were facing with lots of add-hoc request.
- Business teams were not seeing any results, till the end of projects.

SOLUTIONS

- Value stream mapping was utilized to illustrate the new project agreement process, which concentrated on non-value added items and employed lean techniques to remove delays.
- All IT teams used Scrum, Kanban methods to adapt to an agile way of working.
- Network and Security teams used Kanban method and they attended Quarterly sessions to manage their capacity.
- The PI Planning method was utilized by all IT teams to visualize dependencies, manage capacities, and ensure alignment with business objectives.
- They were able to focus on the products more holistically and to coordinate with other POs because of PO sync meetings.