



**Platov South-Russian State Polytechnic  
University (NPI), Electrical Energy Faculty,  
Thermal Engineering and Heat Engineering  
Department**

***INTERNSHIP PROGRAM***

«Development of a wet-steam micro turbine with 250 kW electric power»

ASSISTANT ENGINEER

**Person in charge: Prof. Nikolay EFIMOV, Aleksey BABUSHKIN**

**Languages: English, French**

Stages:

- 1) Development of a mathematical model of the expansion process in the turbine channel;
- 2) Determination of gas-dynamic characteristics of micro turbine stages;
- 3) Development of micro turbine design.

Activities:

- 1) State of the art;
- 2) Visiting energy and engineering companies;
- 3) Studying software;
- 4) Project: «Development of a steam turbine for the technologies processing of liquid and solid organic waste for small-scale distributed energy»;
- 5) Russian lessons;
- 6) Cultural program.



Microturbine complex developed by department staff

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