

# The investment decision of robotic process automation in procurement – practical master thesis

In the future, algorithms and robots will increasingly take over standardized and repetitive processes in procurement. The task areas range from simple ordering mechanisms to highly complex analytical tasks.

Evaluate the expected costs and benefits of RPA in procurement processes based on the net present value method. Quantify what savings can be achieved by using the new way. Find meaningful **value** and **cost factors** to quantify the value of RPA for an organization.

The calculation should be provided in an excel tool. The should be able to allow the calculation of the NPV for various estimated **value** and **cost factors** for the digital transformation of procurement.

Main tasks of the thesis include:

- Literature review on RPA and procurement
- Evaluation of value and cost for RPA in procurement based on procurement process map
- Expert interviews on current state of the art, benefits and burdens
- Model development for calculating investment cost for implementing RPA in procurement

## Contact

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Please enclose a CV and other relevant documents to your inquiry.

## Requirements

- Advanced studies at HSG (master level)
- Interest and knowledge in procurement and investment decisions, valuation etc.
- High motivation and high level of self-organization
- Ability to work independently with C-level decision makers in procurement

## Organizational framework

- Start: To be defined
- The thesis should be finished during six months in full time
- The thesis will be written in close collaboration with the project partners

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