

Research and Development of Collaborative Technology Solutions

We work as your on-demand R&D division.

Objective

To develop tailored green R&D solutions on fair conditions: sharing the risk and ownership.

Added value for the client

Reduced cost and risk of research and development of new technology solution, co-ownership of IPR and exclusive license for the developed product, no need to invest in laboratory infrastructure.

Procedure

PPNT R&D Hub researchers investigate the need, prepare the concept and provide transparent R&D project for SMEs. The R&D project is based on the CRADA principle (cooperative research and development agreement): the client covers only the cost of the works, the ownership of the solution is shared. The client SME is informed on the R&D progress and prospect, has an instant access to the team and the project and can decide on the closure at any stage.

The process is divided into 7 stages:

Stage 1: Interview (duration: 3 to 20 hours of meetings).

The client meets PPNT scientists and discusses the issue or idea as well as different options. The scientists learn about the company's specific situation or preferences.

Stage 2: Concept (duration: 1-2 weeks).

The PPNT researchers develop the approach for the solution, analysing the problem, existing solutions, and assessing the risk and approximate costs. At the meeting, they present it to the client, who decides on the further steps. If necessary some iterative process of information exchange and tests is made.

Stage 3: Planning and budgeting (duration: 1 week).

The researchers define the project: scope and schedule of work and calculate the costs. The offer and model contract (CRADA) is presented to the client.

Stage 3: Agreement negotiation (duration: 1 week-2 month).

The SME analyses the contract, and provides feedback and suggestions for changes if needed. Both sides negotiate changes and make an agreement.

Stage 4: R&D works (duration: 3 months -2 years).

PPNT researchers implement the work plan, and report the progress to the customer every month. The prototypes are prepared and the client provides feedback. The client may be involved in testing the prototypes.



Stage 5: Solution handover (duration: 1-3 hour meeting).

The SME and PPNT researchers meet for the solution documentation handover. Any necessary additional explanations are given.

Post-service stage: Solution implementation.

The customer chooses one of three options of the implementation:

- Take the exclusive licence and share the profit.
- Buy-out the IPR.
- Licence the solution to a third party.

Contact

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