

Pull innovation in the PCP formula as an effective tool for green transformation

WEBINAR: Let's talk about ETV as a tool for green innovations in public tenders

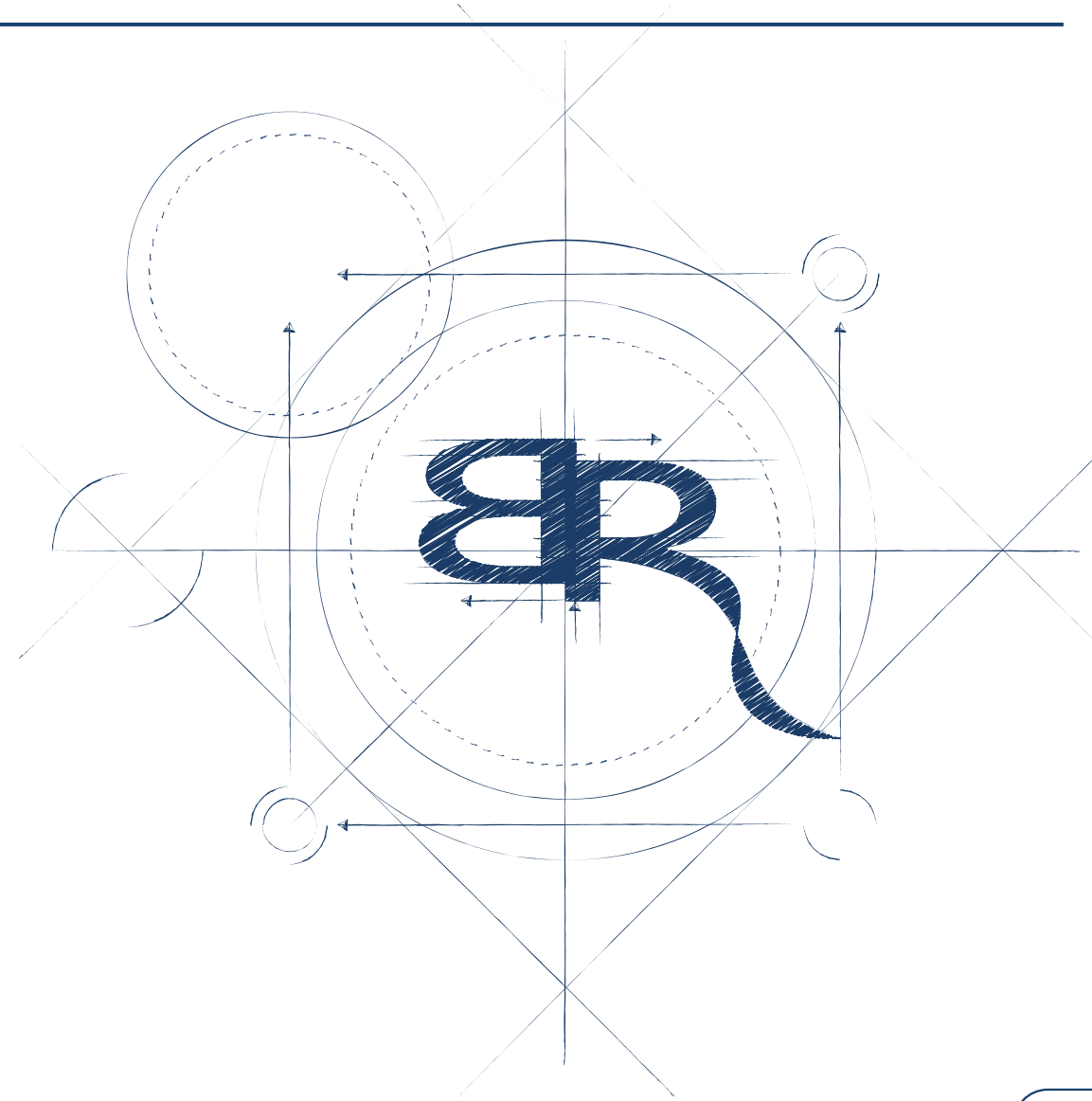
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About NCRD

The National Centre for Research and Development:

- executive agency of the Minister of Science and Higher Education,
- connects the world of science and business,
- co-financing R&D projects and support for domestic entrepreneurs,
- implementation of tasks serving the social and economic development of Poland and solving specific civilization problems
- Intermediate Body in Operational Programs: Smart Growth and Knowledge Education Development.



NCRD's PCP projects for green transformation

Pull innovations as Green Deal transformation tool: the purpose and scope of the projects are specified by the NCRD.

Green Deal transformation technologies should be:

- as final as possible,
- cheaper than traditional ones,
- possible to implement in domestic market.

3xWin Principle for the scope of PCP projects:

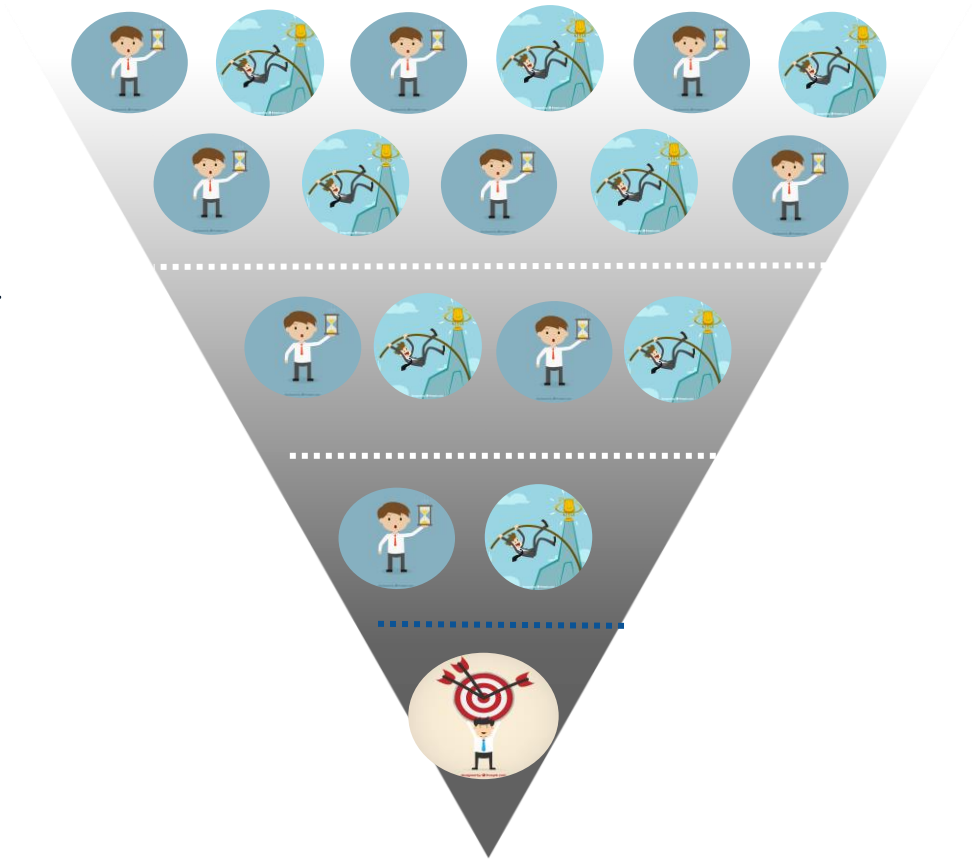


- for environment – cleaner,
- for people – healthier and cheaper,
- for economy and business – more and local.



NCRD's PCP projects for green transformation

- Competition of contractors and selection in subsequent stages – a guarantee of the effect,
- **Growing level of financing during the project** – effective spending of public funds,
- **Selection of contractors based on the measureable parameters** – effectiveness, process transparency, no complaints,
- **Reduction of formal requirements** – selection of the best technological projects,
- **Technology and process innovations** – the effects count,



NCRD's PCP projects for green transformation

- Full-scale demonstrators – the final confirmation of the technology
- Technology benchmarking and promotion of good practices – effective stimulation of whole sectors of the market,
- Technology licensing – wide distribution of solutions,
- Continuation of technology development (implementation of market support) by other institutions / programs – NFOŚiGW, BOŚ, PFR – technology deployment guaranteed.

The European Innovation Procurement Awards 2021



Green Deal PCP projects

Project name	No of technologies	No of technology demonstrators	Budget [million EUR]
Innovative biometane plant	3	1-2	6,4
Sewage treatment of the future	3	1	5,6
Process and energy efficient building construction	9	4-5	8,2
Heating plant of the future	7	1-3	8,1
Combined heat and power plant in the local energy system	10	1-3	9,1
HVAC for schools and houses	7	4	1,9
Micro-retention systems	4	4	1,6
Electric power storage	5	2-3	3,2
Heat and cold storage	9	3-5	2,6
Total:	57	21-30	46,7

Process and energy efficient building construction

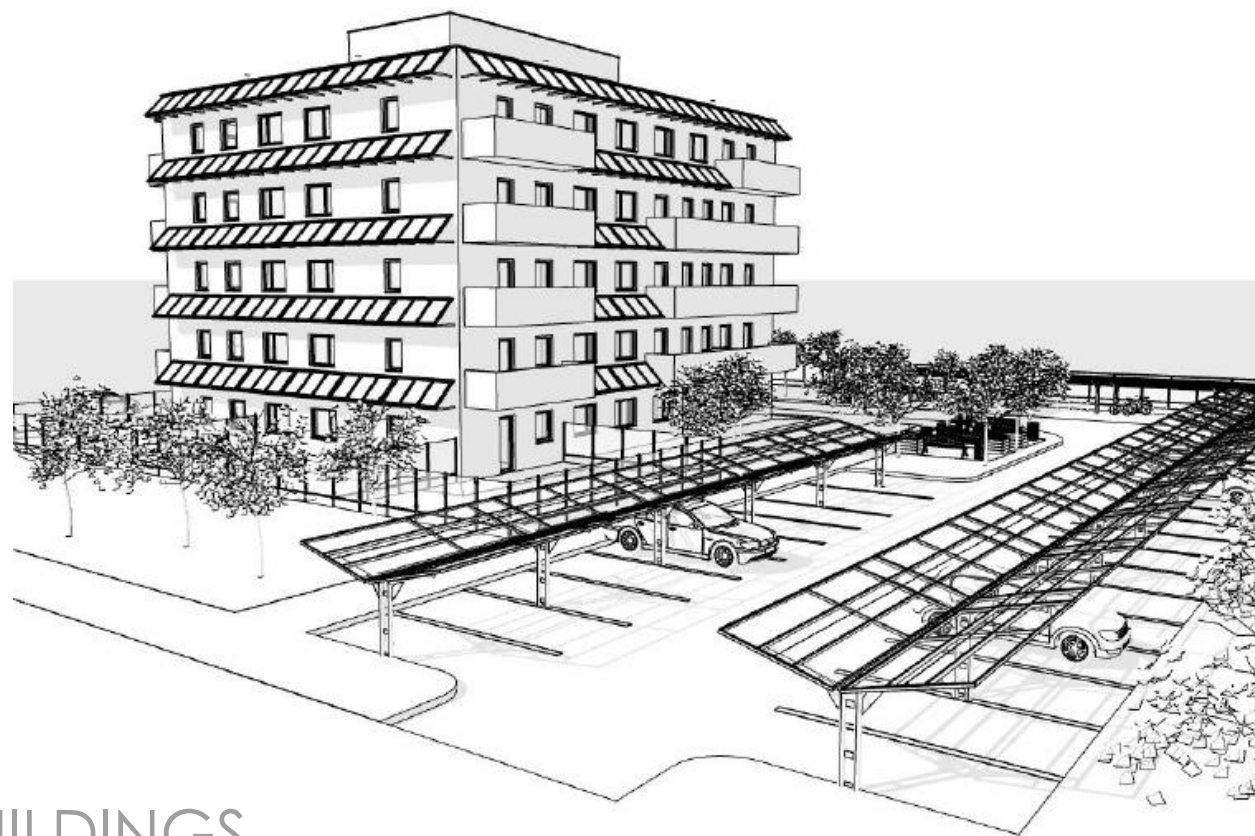


SINGLE-FAMILY HOUSES

Process and energy efficient building construction



Process and energy efficient building construction



SOCIAL BUILDINGS

Process and energy efficient building construction



Phase I results

Sewage treatment of the future

Phosphorus
recovery



Sludge drying



Drinking water treatment





Thank you!

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