



OP Smart Growth 2014-2020

Submeasure 1.1.1

Industrial research and development works realized by entrepreneurs

Implementing Authority:
The National Center for Research and Development

MAY 2016

OPPORTUNITY OF INVESTMENT

Submeasure 1.1.1 Industrial research and development works (...)



industrial research - means planned research or critical investigation aimed at the acquisition of new knowledge and skills for developing new products, processes or services or for bringing about a significant improvement in existing products, processes or services. It comprises the creation of components parts to complex systems, and may include the construction of prototypes in a laboratory environment or interface environment that simulates the existing systems, as well as pilot lines, when they are necessary for the industrial research, especially for obtaining evidence in the case of generic technologies

experimental development works - means acquiring, combining, shaping and using existing scientific, technological, business and other relevant knowledge and skills for developing new products, processes or services. These may also include, for instance, other activities aiming at the conceptual definition, planning and documentation of new products, processes or services. Those activities may comprise:

producing drafts, drawings, plans and other documentation, provided that they are not intended for commercial use. Development works may include:

- development of prototypes, demonstration, development of pilot projects, testing and validation of new or improved products, processes or services in actual operation model environment, in order to achieve further technical improvement of products, processes or services whose final shape is generally not yet determined
- development of prototypes and pilot projects that can be used for commercial purposes, where the prototype or pilot project is necessarily the final product to be used for commercial purposes, and its production is too expensive only for demonstration and validation purposes.

Experimental development works **does not include** routine or periodic changes made to existing products, production lines, manufacturing processes, services and other operations in progress, even if such changes may represent improvements.

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List of National Smart Specializations

HEALTHY SOCIETY: 1) Medical engineering technologies, including medical biotechnology 2) Diagnosis and treatment of diseases of civilization and personalized medicine 3) Preparation of medicinal products

AGRI-FOOD, FORESTRY-WOOD AND ENVIRONMENTAL BIO-ECONOMY: 4) Innovative technologies, processes and products of the agri-food and forestry-timber industry 5) High quality food 6) Biotechnological processes and specialty chemicals and environmental engineering

SUSTAINABLE ENERGY: 7) High efficiency, low carbon and integrated manufacturing systems, storage, transmission and distribution of energy 8) Smart and energy efficient construction 9) Environmentally friendly transport solutions

NATURAL RESOURCES AND WASTE MANAGEMENT: 10) Modern technology sourcing, processing and use of natural raw materials resources and the production of their substitutes 11) Minimization of waste generation, including those unsuitable for processing and material and energy use of waste (recycling and other recovery methods) 12) Innovative technologies of water processing and recovery and reducing usage of water

INNOVATIVE TECHNOLOGIES AND INDUSTRIAL PROCESSES (HORIZONTAL): 13) The multifunctional materials and composites with advanced features, including nano-processes and nano-products 14) Sensors (including biosensors) and smart sensor networks 15) Smart grids and geo-information technologies 16) Electronics based on conducting polymers 17) Automation and Robotics processes 18) Optoelectronic systems and materials 19) Creative technologies (computer games, multimedia, industrial design) 20) Innovative technologies in the field of specialized marine vessels, marine and coastal structures and logistics based on maritime transport and inland waterways

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Eligible projects:

- research projects involving industrial research and development works, or development works, suited to the **National Smart Specialization**
- condition for obtaining the grant is commercialization of R&D results, defined as:
 - implementation of the project's results in applicant's own business or
 - licensing or sale of the project's results for introduction to the business of another entrepreneur
- funding may be granted only to those projects, which- before starting the implementation- has **at least 2nd technological readiness level (TRL)***
- the project must relate to **product** or **process innovation**

Beneficiaries: entrepreneurs

****2nd technological readiness level** –the concept of technology or its future use has been defined. This means starting the process of finding potential application of technology. Once basic principles describing the new technology are observed, its practical application can be postulated which is based on predictions. There's no proof or detailed analysis to support the assumptions.*

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Form of support: grant

Minimum value of project's eligible costs:

- PLN 2 million in case of SMEs
- PLN 12 million in case of large enterprises

Maximum grant value:

- EUR 20 million- for projects where the eligible costs of industrial research represent more than half of total eligible project costs
- EUR 15 million- for projects where the eligible costs of development works represent more than half of total eligible project costs
- **Planned calls for proposals:**
 - *For SMEs* - call announcement: March 1st 2016, start of the call: April 4th 2016, end of the call: July 29th 2016, call's budget: PLN 750 million
 - *For SMEs implementing projects outside the Mazowieckie voivodship* - call announcement: 3rd quarter 2016, start of the call: 3rd quarter 2016, end of the call: 4th quarter 2016, call's budget: PLN 750 million
 - *For large companies* - call announcement: April 28th 2016, start of the call: June 1st 2016, end of the call: December 30th 2016, call's budget: PLN 1 000 million

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Primary public aid intensity:

- 50% of eligible costs for industrial research
- 25% of eligible costs for experimental development works

The intensity of support may be increased up to **80% of eligible costs** in the following way:

- by 10 percentage points for medium-sized enterprises and by 20 percentage points for micro and small enterprises
- by 15 percentage points, if the applicant demonstrates in the application, that in a period of 3 years from the completion of the project the results of the project:
 - will be presented at at least 3 scientific and technical conferences, including at least one of the national rank *or*
 - will be published in at least two scientific or technical journals included in the list drawn up by Ministry of Science and Higher Education (this list is contained in the call documentation) or in publicly available databases which provide free access to the obtained results (raw research data), *or*
 - will be distributed in full through free software or open access license

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Eligible costs

1) *Direct costs:*

- **Wages** along with non-wage labor costs, including social security contributions and health contributions of persons employed to conduct the industrial research or development work, in part in which the above mentioned costs are directly linked to the implementation of the aided project (employment contracts, job order contracts)
- **Subcontracting costs** resulting from commissioning to a third party a part of the substantive work of the project, that is not made on the premises and under the direct supervision of the beneficiary, together with costs of resources made available by third party, at the following conditions:
 - part of the substantive work of the project can be commissioned only to a public university, a government research institute, the Institute of Sciences, or other organization which is a scientific institution conducting research and disseminating knowledge (to other entities- only with the written consent of the Intermediate Authority)
 - above mentioned limitation does not apply to orders in the form of specific-task contracts (NOTE: all specific-task contracts under the project should be treated as subcontracting)
 - the total amount of the eligible costs for subcontracting may not exceed 50% of the total eligible project costs

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Eligible costs (cont.)

- Other direct costs:
 - The costs of research equipment and intangible assets:
 - **depreciation costs or costs resulting from the paid use** (financial or operational leasing, rental) of research equipment used for the aided project
 - **depreciation costs or costs resulting from the paid use** (licence fees) of technical knowledge and patents purchased or used under license, obtained from third parties on market conditions, ie. intangible assets in the form of patents, licenses, know-how, technical knowledge, expertise, analysis and research reports, etc. *(intangible assets can be purchased only from a public university, a government research institute, the Institute of Sciences, or other organization which is a scientific institution conducting research and disseminating knowledge; from other entities- only with the written consent of the Intermediate Authority)*
to the extent and for the period in which they are used for the aided project
 - **The costs of buildings and structures** (land lease, perpetual usufruct of land, depreciation of buildings) - to the extent and for the period necessary to complete the project, up to 10% of the total eligible project costs
 - **Other operating expenses**, i.a.: materials, eg. raw materials, intermediates, reagents; laboratory equipment (which is not fixed asset); costs of maintaining lines, experimental installations, etc. in the period and the proportion of use in the project; rental of laboratory space; construction components and components permanently installed in the prototype, pilot or demonstration installation; project promotion costs (publications, website, etc. cost. - no travel costs, which are indirect costs) up to 1% of eligible costs of the project; the cost of external audit
- 2) Indirect costs** (up to **17%** of the remaining eligible costs, excluding the eligible costs of subcontracting)

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Project selection criteria*

1. Substantive criteria in the science and technology evaluation:

a) access criteria (YES/NO evaluation):

- The project includes industrial research and development works, or development works
- The planned R&D works are relevant and necessary to achieve the objective of the project, and the risks associated with them have been defined
- The research team and technical resources of the applicant shall ensure proper implementation of R&D works planned in the project
- The project is in line with the National Smart Specialization

2. Substantive criteria in the economic and business evaluation:

a) access criteria (YES/NO evaluation):

- The project concerns the product or process innovation
- The issue of intellectual property is not a barrier to the implementation of the project results
- Managers and the management of the project allows its proper execution

b) Point criteria:

- Novelty of the project results (from 0 to 5 points)
- Market demand for the results of the project (from 0 to 5 points)
- Cost-effectiveness of implementation (from 0 to 5 points)
- In case of SME projects: the implementation of the project results is planned on territory of the Republic of Poland (0 or 3 points)

****Based on documentation from the last call for proposals***

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