



Services for the development of a computer-aided tool design system for cross-wedge rolling

COUNTRY OF ORIGIN	IDENTIFIER	PUBLISHED	LAST UPDATE	DEADLINE
Belarus	BO10247	2024-04-19	2024-04-19	

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[Услуги по разработке системы автоматизированного проектирования инструмента для поперечно-клиновой прокатки](#)

Responsible

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Summary

The United Institute of Informatics Problems offers consumers services for the development of a computer-aided design system for tools for cross-wedge rolling under an outsourcing agreement and is looking for partners to conclude a distribution services agreement.

Description

Scope of application: Mechanical engineering enterprises for the manufacture of parts of the “body of rotation” type.

Full-fledged CAD for designing a PKP tool and documenting the results (drawing) with a high level of automation. The input is a model of the part, the output is 3D models of the tool and drawings of the tool.

Operating system Windows XP and higher, FOXPRO DBMS, basic graphical environment - SolidWorks

Advantages and Innovations

The CAD design system for tools for cross-wedge rolling made it possible to reduce the design cycle from 30 days to 2 days.

Stage of development

Already on the market

Funding source

State budgeted

Internal

IPR status

Secret know-how

Sector group

ICT Industry & Services

Materials

CLIENT INFORMATION

Type and size of client

R&D institution

Year established

1965

NACE keywords

J.62.0 - Computer programming, consultancy and related activities

J.62.01 - Computer programming activities

J.62.02 - Computer consultancy activities

M.72.19 - Other research and experimental development on natural sciences and engineering

M.74.90 - Other professional, scientific and technical activities n.e.c.

Turnover (in EUR)

10-20M

Already engaged in transnational cooperation

Yes

Additional comments

United Institute of Informatics Problems of the National Academy of Sciences of Belarus is the leading organization in the Republic of Belarus for fundamental and applied research in the field of information technologies: design automation, applied mathematics, supercomputer technologies, bioinformatics and medical informatics, geographic information systems, digital cartography, information space technologies, Grid-technologies. The Institute is a provider of the scientific and educational Internet in Belarus, participates in the development of recommendations on the use of the results of scientific research, scientific support for informatization processes in the Republic of Belarus, the development of forecasts in the relevant fields of science and technology, and the training of highly qualified personnel.

Scientific directions:

- automation of engineering systems design;
- processing and recognition of signals, images, speech;
- geoinformation systems;
- input and output of video information;
- operations research and discrete optimization;
- data protection;
- decision-making in emergency situations;
- bio- and medical informatics;
- computer networks, databases and telematic applications;

- supercomputer technologies and parallel computing, Grid technologies;
- information and reference systems.

The strategic goal of the UIIP NAS of Belarus is the creation and implementation of systems developed on the basis of modern scientific theories and methods of information technology. At the same time, the main directions are the development and creation of high-performance systems and advanced technical base of network technologies based on the principles of GRID and cloud computing. Integration of high-performance computing resources of the institute into the European and world network will create conditions for the export of services to other countries. Another important export factor should be the computing complexes and systems created in the laboratories of the institute and designed as a finished hardware and/or software product. The areas of application of these products are automation of the full life cycle of products in industry and electronics, medical informatics, space information systems, information systems in management and government, public information services, and others.

Along with the expansion of scientific and technical cooperation with partners from the CIS countries, Western and Eastern Europe, much attention was paid to expanding the geography of scientific and technical cooperation and entering new markets for scientific and technical products (China, the countries of the Persian Gulf and a number of other countries).

The strategic goal of the implementation of international projects is to increase the competitiveness of domestic scientific and technical products, their promotion to the world market, the maximum attraction of foreign investment in the research sector of the Republic of Belarus.

Languages spoken

Russian

INFORMATION ABOUT PARTNERSHIP

Type of partnership considered

Distribution services agreement
Outsourcing agreement

Type and role of partner sought

Consumers interested in purchasing services for the development of a computer-aided design system for cross-wedge rolling tools under an outsourcing agreement.

Partners interested in purchasing services for the development of a computer-aided design system for cross-wedge rolling tools under a distribution services agreement.

Type and size of partner sought

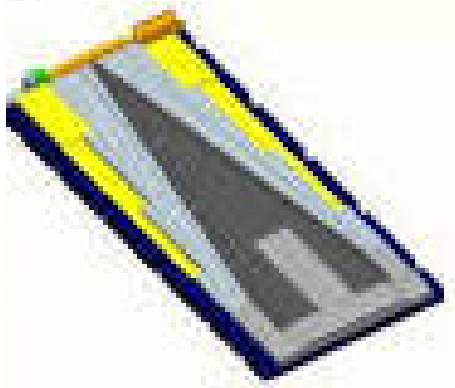
Sole proprietor

ATTACHMENTS

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