



Small-sized office supercomputer "SKIF-GEO-Office"

COUNTRY OF ORIGIN	IDENTIFIER	PUBLISHED	LAST UPDATE	DEADLINE
Belarus	BO5413	2022-08-10	2022-08-10	

Linked profile in other language

[Малогабаритны офісны суперкомп'ютэр "СКИФ-ГЕО-Офіс"](#)

Responsible

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Summary

The United Institute of Informatics Problems offers consumers a small-sized office supercomputer "SKIF-GEO-Office" under an outsourcing agreement, a manufacturing agreement and is looking for partners interested in a distribution services agreement.

Description

The small-sized office supercomputer "SKIF-GEO-Office" is used for modeling and designing products and processes with high accuracy of their physical and technological characteristics, designing engineering products and solving mathematical and physical problems with a large amount of calculations, teaching parallel computing. The development provides personal supercomputer computing in organizations and structural subdivisions (offices).

The "SKIF-GEO-Office" has:

- * original domestic design and technological solution for the layout of the computing node;
- * unique domestic cooling system for the computing node based on heatsinks with pressed heat pipes;
- * original domestic special software;
- * low noise level and power consumption;
- * does not require the creation of special conditions during operation.

The supercomputer technologies "SKIF" made it possible to create office supercomputers for a wide purpose, with world novelty, and to expand the scope of supercomputer technologies in science, education and industry.

Advantages and Innovations

Low noise and power consumption.

Does not require the creation of special conditions during operation.

Stage of development

Already on the market

Funding source

State budgeted

Internal

IPR status

Patent(s) applied for but not yet granted

Comments regarding IPS status

Patent of the Republic of Belarus dated June 30, 2019 No. 12012

Application in the Russian Federation dated November 7, 2018 No. 2018139430/06(065473)

Sector group

ICT Industry & Services

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.62.02 - Computer consultancy activities

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

Turnover (in EUR)

10-20M

Already engaged in transnational cooperation

Yes

Additional comments

The United Institute of Informatics Problems of the National Academy of Sciences of Belarus is the leading organization in Belarus in fundamental and applied research on information technologies: CAD/CAM/CAE systems, applied mathematics, high performance parallel computing, bioinformatics and medical informatics, geo-information systems, digital cartographic systems, Space informatics, GRID technologies. The institute is the provider of scientific and educational Internet networks in Belarus. It takes part in state recommendations on information technologies implementation, scientific support of informatization processes, prognosis in related science and technology fields in Belarus, high skill specialists training.

Main directions of research:

- Computer aided design, manufacturing and engineering (CAD/CAM/CAE)
- Processing and recognition of signals, images and speech

- Space and remote sensing data processing, geoinformation systems
- Input-output of video and graphical information
- Operations research and discrete optimization
- Information security
- Decision making support systems
- Bio- and medical informatics
- Computer networks and telematics applications
- Supercomputer systems and applications, parallel computing, GRID technologies
- Information retrieval systems.

The Institute cooperates with foreign universities, research centers and organizations in the field of informatics, actively participates in the implementation of joint international projects and programs.

Languages spoken

Russian

INFORMATION ABOUT PARTNERSHIP

Type of partnership considered

- Distribution services agreement
- Manufacturing agreement
- Outsourcing agreement

Type and role of partner sought

Partners interested in using the small office supercomputer "SKIF-GEO-Office" under an outsourcing agreement.

Consumers interested in purchasing a small office supercomputer "SKIF-GEO-Office" under a manufacturing agreement.

Partners interested in a distribution services agreement.

Type and size of partner sought

University

ATTACHMENTS

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