



“EU-EECA R&I collaboration in the field of
Information and Communication Technologies”

PROPOSAL IDEA

Baku

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Overview

**Estimatix: software engineering for
multicore and HPC in Kazakhstan**


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About Estimativ

Estimativ is a custom software development company in Kazakhstan. The company can now compete for global talent and is a destination for many skilled individuals who start to go back. In addition, the excellence of homegrown professionals is attracting more and more firms to Kazakhstan from nearby countries such as China and Russia.

Estimativ provides the wide range of software engineering services. Our company focuses on software engineering for high performance computing (HPC) and big data providing following services:

- Optimal design of algorithms and scale out of simulation techniques on massively parallel computers (CPU/GPU).
 - Full cycle of software development using CUDA, OpenCL, MPI, OpenMP and hybrid approaches.
 - Providing optimal hardware architecture design for high performance computing and energy efficient and fault tolerant computing.
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Excellence and Impact

SHORT REVIEW:

Kazakh educational system produces high-caliber IT specialists, especially programmers, who studied in the top universities worldwide (Europe, USA, UK, Russia, China: ETH, EPFL, Cambridge, Oxford, MIT, Stanford, Caltech, MSU, Tsinghua etc.).

The international labor market has taken full advantage of this. In the past, conditions and opportunities at home were not as appealing as those offered overseas, which inevitably led to the well-documented “brain drain.” However, the tide is now turning; while markets in the West slow and conditions in Kazakhstan continue to improve, both in terms of standard of living and appeal of opportunities, the brain drain is slowing and will hopefully soon become a “brain gain.”

OUR ADVANTAGES:

- Highly skilled scientists and IT-specialists
- Less expensive prices compare to the Europe
- Close relationships with China and Russia science institutions and companies

OUR GOALS:

- Attract new clients that need an assistance in high performance computing related software development.
- Establish new partnerships to exchange technologies and experience in HPC and big data analysis.
- Assist European companies to enter the China’s technology market

Type of collaboration sought & Contact Info

- I am searching for: <keep as applicable>
 - European partners:
Academic, commercial companies (in HPC)
 - Other EECA partners:
Academic, commercial companies (in HPC)
 - Proposal Co-ordinator to further develop the idea: HPC experts.

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Thank you for your attention