

Innovation-as-a-Service

Paid R&D Services for Data Processing

Email: info@maxeler.com

Domains of expertise:

- Performance Engineering:
 - + software (dataflow) optimization
 - + performance test & maintenance
 - + operational cost optimization
 - + real-time computing engines
 - + Linux systems software
- AI: Predictive Analytics
 - + predicting market data events
- AI: Object identification
 - + Real-time face detection
- Finance Derivatives Risk
 - + Real time event risk
 - + FRTB, CCR and XVA
 - + Model validation
- Finance Transaction processing
 - + Market access gateways
 - + Matching engines
 - + Low latency trading
- Science / Basic Research
 - + Physics / Chemistry simulations
 - + Numerical algorithms
- Dynamic pricing model development
- Internet-of-Things:
 - + Firewall, Hyperspectral and RF
- FPGAs and hardware development
- Hardware verification and testing
- Legacy modernization: SQL-to-Python, Mainframes-to-x86 CPUs.
- Software migration: private/public cloud
- Geophysics and imaging
- Video encoding and compression
- CyberSecurity and encryption
- Joint Patent development
- Computer architecture, System-on-Chip
- Computing support and maintenance

Models of engagement:

(1) Start with

- a Request for Proposal (RfP)
- description of a data processing software challenge
- description of a data processing hardware challenge
- just a large data set
- large legacy software and / or hardware and representative input and output data

(2) Let us develop for you or jointly w/ you

- a detailed proposal with time and performance estimates
- a pilot project
- a prototype implementation
- options with cost / benefit analysis
- a production deployment plan

(3) Succeed

- show new capability at a trade show
- announce new capability in PR
- bring new product features to market
- strengthen competitive advantage
- file (joint) patents
- reduce your operating costs
- transfer the IP to your in-house team
- write a (joint) scientific publication
- improve internal operating processes
- improve business process
- provide feedback and start again