



## OVERVIEW

Too often, millions of dollars are spent on projects in the name of AI without seeing results. Project teams in enterprises incur capital expenditure in setting up environments, developing the orchestration layer to manage capacities required for algorithm development even before getting to the first line of code. Top talent data scientists in the organization spend more time managing infrastructure than writing code. While public clouds are available for rent, beyond simple use cases, the enterprise developers have to spend time developing orchestration software.

We believe it is a terrible waste. While building our own AI applications, we were surprised that there was no turnkey solution available offering hyperconverged-AI, aka **Supercomputing-As-A-Service** in the market. So, we decided to do something about it.

**Zeblok** computational is the first turnkey provider of Supercomputing-As-A-Service for a fee without incurring millions of dollars and spending years building out a platform for data scientists. We are capital efficient in everything we do. We leverage and curate GPU capacities in different partner datacenters to support different application requirements. Enterprises can rent for bursts or dedicated usage giving you general/reserved/spot pricing. This is made possible through our proprietary orchestration layer that supports multi-class scheduling allowing simple multi-user AI-Workstations to co-exist with High-Performance Computing (HPC) workloads needed for substantial AI training. We did not stop at that. We provide containers that are optimized for GPU architecture so your developers can hit the ground running in minutes. So the open-source AI frameworks are ready to go while being supported by our community of data scientists. And then we went beyond. We collaborated with University Researchers and NSF Centers to curate algorithms and provided those simply and consistently in the AI-workstations. Doing augmented intelligence and integrated predictive analytics into your business processes is streamlined and efficient.

Whether you are working on big-data acceleration, AI development, quantum simulation, or computational biology, **Zeblok's** ecosystem will provide you with a capital-efficient AI development environment with sophisticated orchestration. Get more efficient by knowing where to put your resources, or go to market by launching new AI-enabled product lines to generate new revenue streams.



## BENEFITS

- Start your ML-AI pipeline project in minutes
- Construct trustable decision making AI models
- Create productive cross functional collaborative teams
- Access to curated list of Algorithms
- Price arbitrage by leveraging dedicated or spot offers
- Get meaningful insight into your data
- Develop decision strategies faster



## FEATURES

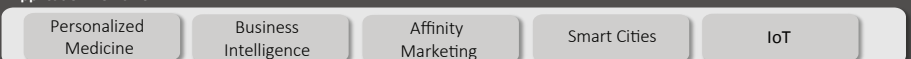
- Unified platform
- Shareable Jupyter notebooks across different teams
- Access to multiple cloud providers with GPUs capacities
- Next generation orchestration engine
- Jupyter Notebook virtualization
- Kubernetes and Slurm scheduling
- Secure tunneling between multiple DC
- Establish causal relationships between variables
- API enablement of AI models



## TECHNOLOGY

- Kubernetes-as-a-service
- Slurm-as-a-service
- 2 Data centers
- 1 Public Cloud
- NVIDIA GPUs V100, RTX6000
- Over 200 Tensor PFLOPS capacity
- AI Notebooks
- Curated sets of patent pending Algorithms
- Enterprise grade security

### Application Domains



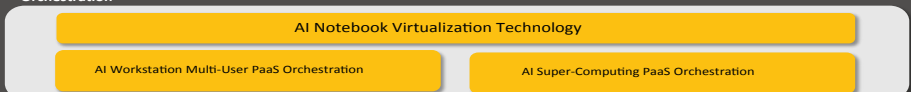
### AI-Algorithms-Factory Containers



### DS-Containers



### Orchestration



### Infrastructure

