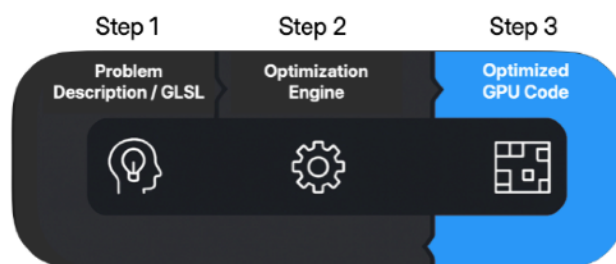Deliver faster, green, & smarter workloads—no code, no toolchain, no maintenance.

## How It Works
1. Tell us what you need — or provide GLSL — a GPU-agnostic language.
2. We generate thousands of GPU instruction permutations in real-time.
3. You receive optimized SPIR-V instructions and support for integration.
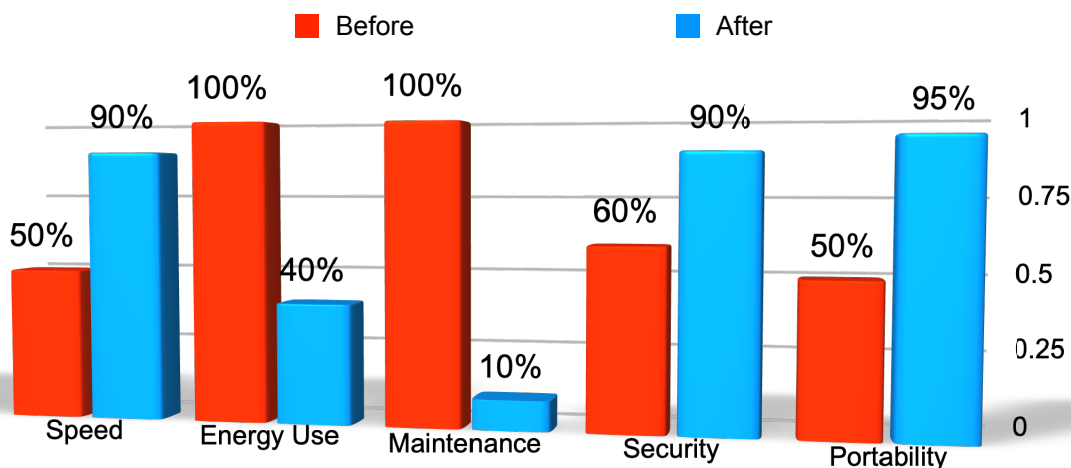
### Secure Backend Pipeline — Internal Only

| Step 1 | Step 2 | Step 3 |
| --- | --- | --- |
| Problem Description / GLSL | Optimization Engine | Optimized GPU Code |

From text descriptions or GLSL to Optimized GPU Code – Fully Automated

- ☑ **Massive Speed Gains** - Up to 90% of theoretical GPU max
- ☑ **Lower Energy Use** — Cut power per task by 50-90%
- ☑ **Secure by Design** — Never touches live data; supports test-mode
- ☑ **No Rewrite Needed** — Accepts existing code or just a description of goals
- ☑ **Cross-Hardware Compatibility** — Optimize chips for AMD, ARM, Broadcom, Imagination, Intel, Nvidia, Vivante; support for SPIR-V, MSIL, etc. (soon PTX, GCN)

## Use Cases

- AI/ML training + inference
- Real-time video rendering
- Signal + sensor processing
- Simulation and modeling
- Scientific workloads
- Financial Services
- Cyber Security
- Gov't/Military
- Edge to Space

### Before / After

| | Before | After |
| --- | --- | --- |
| Speed | 50% | 90% |
| Energy Use | 100% | 40% |
| Maintenance | 100% | 10% |
| Security | 60% | 90% |
| Portability | 50% | 95% |

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