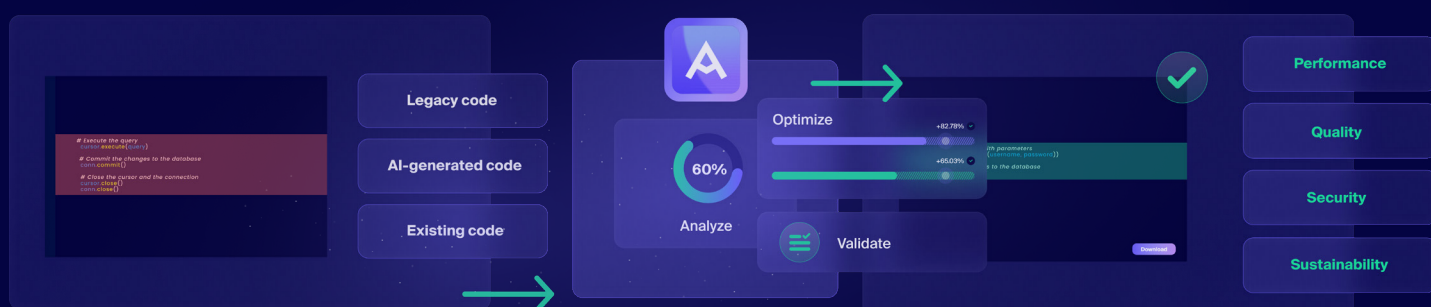




# From the Code You Have to the Code You Need

Analyze, optimize, and validate codebases at scale, improving performance and efficiency, while reducing costs.



## Artemis Use Cases



### Code Optimization

- Boost Application Performance
- Reduce Cloud Costs
- Lower Carbon Footprint



### Modernize Legacy Systems

- Accelerate Code Upgrade
- Accelerate Code Translation



### Tackle Technical Debt

- Code Refactoring
- Enhance AI-generated Code
- Accelerate Cloud Migration



### SDLC Integration

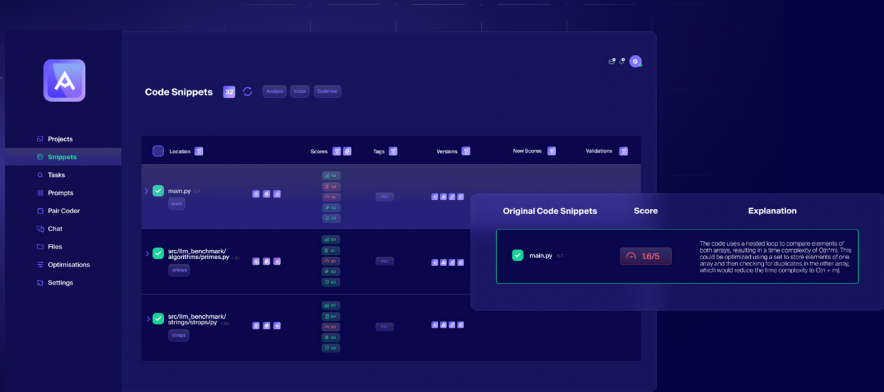
- Code Review
- Code Validation
- Unit Test Generation
- ...and more

# How Artemis Works

Artemis redefines code optimization by going beyond the limitations of traditional tools and basic LLMs. Combining multi-agent collaboration, genetic algorithms, and contextual AI, Artemis delivers validated, production-ready code tailored to enterprise needs.

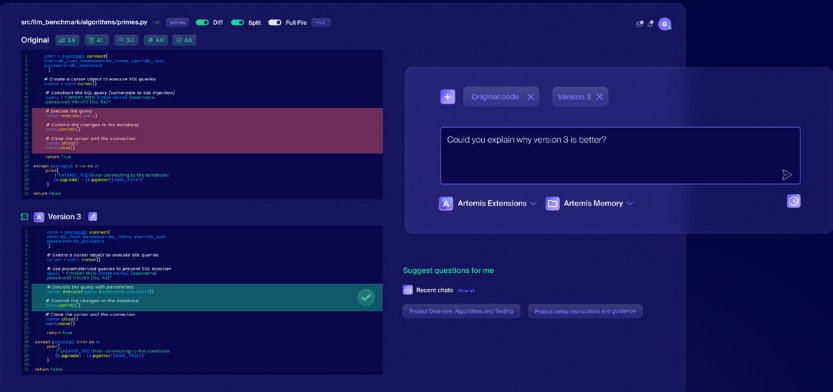
## ANALYZE

Artemis integrates with your existing repositories and tools, using advanced indexing, scoring and contextual insights to identify opportunities for optimization quickly.



## OPTIMIZE

By leveraging multi-LLM orchestration and genetic algorithms, Artemis generates optimized solutions tailored to your business needs.



## VALIDATE

Real-time validation ensures all optimizations are tested, benchmarked, and production-ready before implementation.





# Transforming Code into Business Value

Whether generated by AI or written by humans, Artemis enhances code performance, quality and efficiency, enabling businesses to innovate faster and operate more efficiently while staying scalable and sustainable.

## Reduce Costs

Minimize runtime inefficiencies, lower cloud compute expenses, and cut down on unnecessary resource usage.

## Enhance Security

Identify vulnerabilities in legacy or AI-generated code and ensure compliance with enterprise-grade security standards.

## Increase Speed to Market

Accelerate code modernization and reduce time spent on bug fixes, refactoring, and re-architecting systems.

## Drive Scalability

Adapt your systems for growth by ensuring optimized code works seamlessly in large-scale, enterprise-grade environments.

## Support Innovation

Shift developer focus from maintenance to creating impactful new features, reducing technical debt and fostering innovation.

## Lower Carbon Footprint

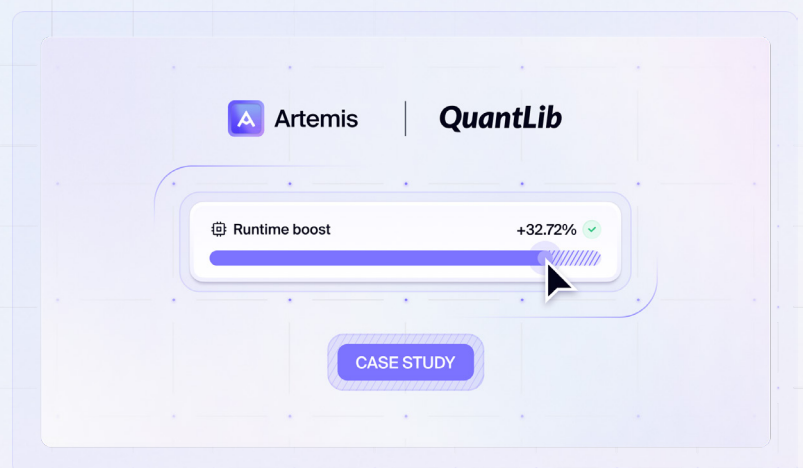
Reduce energy consumption by optimizing runtime performance, memory usage, and cloud resource allocation.

## Case Study: Artemis Boosts QuantLib Runtime by 32.72% in Five Clicks

Artemis optimized QuantLib, a critical open-source library for quantitative finance that powers hundreds of financial applications, achieving a 32.72% faster runtime with just five clicks.

This optimization could deliver:

- Annual cost savings of up to £\$400,000 for a mere \$10 investment
- Enhanced productivity by eliminating weeks of manual optimization
- Faster financial analysis and reduced carbon emissions

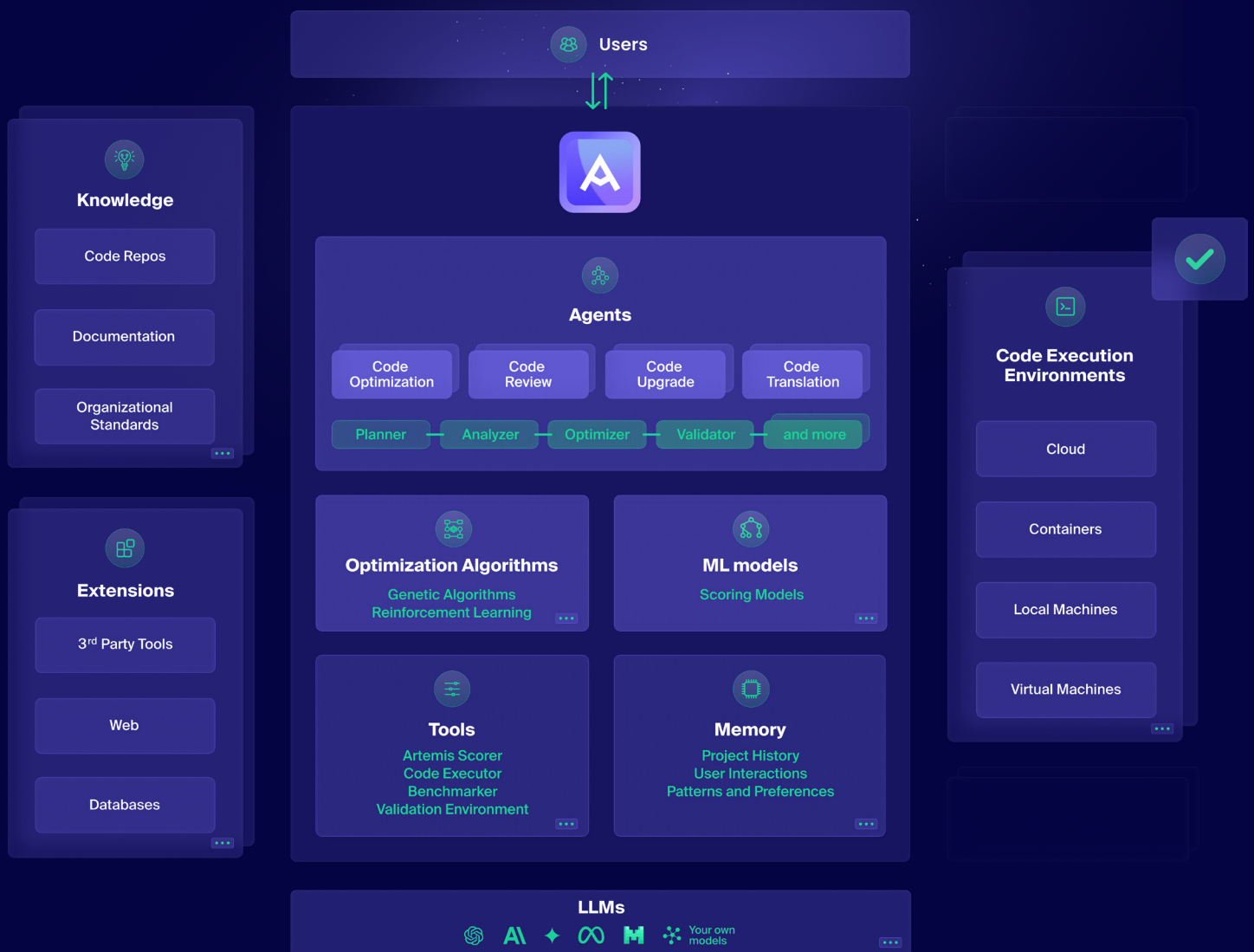


\*Check out Artemis's pull request [here](#). Learn more about the QuantLib case study [here](#).



# Artemis Intelligence Engine

The Artemis Intelligence Engine is where innovation meets evolution. As the backbone of Artemis, it combines the best of AI technology—multi-agent systems, optimization algorithms, and LLMs—to deliver a revolutionary approach to code optimization. Designed for adaptability and precision, the engine drives Artemis's ability to produce validated, production-ready solutions tailored to your needs.

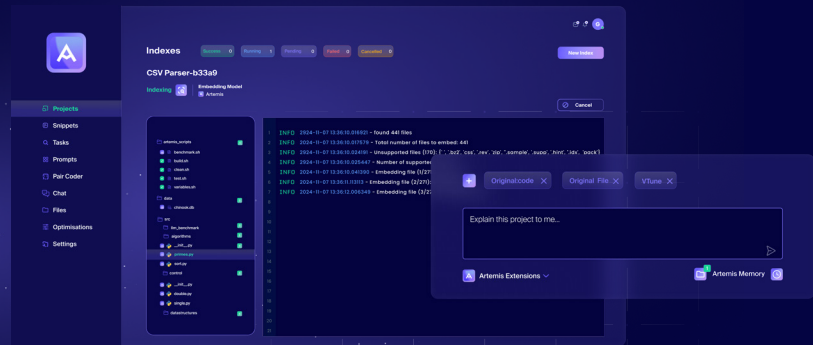




# The Artemis Advantages

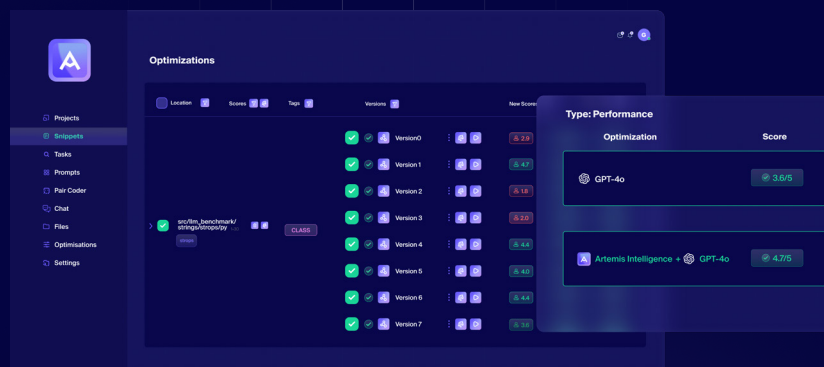
## CONTEXTUAL ANALYSIS

Artemis gains a contextual understanding of your codebase through advanced indexing and seamless integration with extensions, pulling insights from documentation, architecture, code reviews and deployment environments.



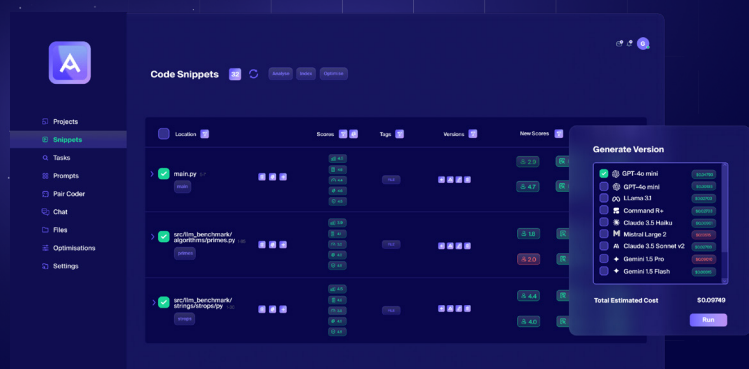
## GENETIC OPTIMIZATION

Inspired by natural selection, Artemis works seamlessly with any LLM and iteratively evolves its output through genetic algorithms to achieve superior performance metrics.



## LLM-AGNOSTIC PLATFORM

With Artemis, businesses can use single or multiple LLMs, avoiding vendor lock-in and ensuring adaptability to the rapidly evolving AI landscape.





## Real-Time Validation

Artemis doesn't just suggest changes; it validates them with comprehensive testing and benchmarking, delivering production-ready solutions you can trust.



## Self Evolving

Artemis continuously learns and adapts, refining its algorithms and processes to stay ahead of ever-changing demands.



## Environment Aware

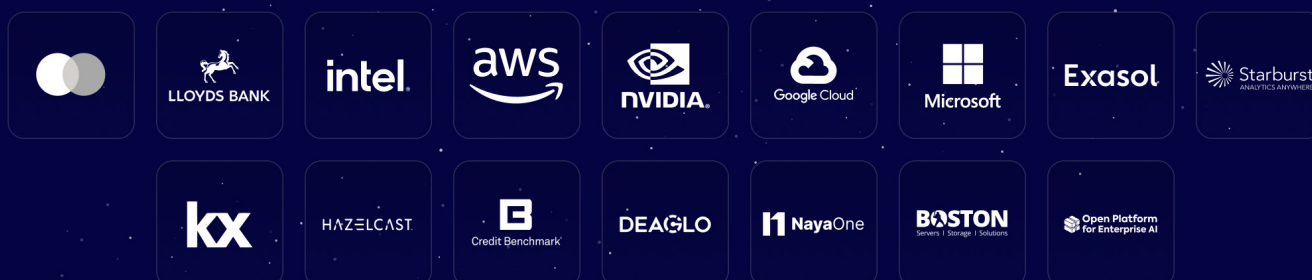
Optimise and run your code in your environment. Artemis has an environmental awareness system that interfaces with your runtime infrastructure, ensuring optimizations tailored to your specific infrastructure needs.

## FLEXIBLE DEPLOYMENT

Artemis offers flexible deployment options: SaaS, on-premise, private cloud, or pre-deployed laptops. On-premise deployment enables organizations to control their code and data, ensuring performance, intellectual property protection, and enhanced security.



## Trusted by Leading Organisations



## TurinTech: Your Code and Data Evolved

At TurinTech, we deliver AI-driven solutions that transform the code and data you have into the optimized, production-ready solutions you need. Leveraging the intelligence and speed of agentic collaboration, optimization algorithms, and real-time validation, we empower developers and data professionals to modernize legacy systems, optimize AI-generated code, and automate machine learning workflows. By focusing on performance, reliability, and efficiency, TurinTech accelerates innovation, reduces costs, and ensures sustainable, scalable growth for your business.