

BIG DATA | ARTIFICIAL INTELLIGENCE | QUANTUM

EMPOWER YOUR BUSINESS WITH DATA REPLY

We support C-Levels in extracting value from data

DATA REPLY is the company within the Reply group that offers excellence services on Big Data, Artificial Intelligence and Quantum Computing. We support C-Levels and their teams in extracting the real value that is contained in company data. We operate across a broad spectrum of industries and business functions. We develop complete data-driven solutions, from data strategy to production. We enable new business models and data-driven strategies through Analytics, Machine Learning and Intelligent Process Automation. Data Reply is composed of a closely knit team of more than 140 expert ML Engineers and Data Engineers and we have deployed more than 80 projects in production. We live on innovation and we were the first in Italy in the last three years to bring new Quantum Computing algorithms to companies, with a particular focus on optimizing the use of corporate economic resources.

CHOOSE INNOVATION WITH US

BIG DATA | ARTIFICIAL INTELLIGENCE | QUANTUM COMPUTING

We support C-Levels in extracting value from data.

Across all industries and all business functions.

With more than 80 projects already delivered in production.

THINK & DESIGN

Starting with a focus on the user’s needs, the solution design considers how the planned innovation will fit into the company’s existing architecture.

IMPLEMENT & DELIVER

Data Reply has expert teams of Big Data Engineers and Data Scientists with a laser-sharp focus on delivering value and high-performance end products. The solution, be it architectural or algorithmic, is build around the client with tailor-made implementations, both on-premise and in the Cloud.

ACCELERATE & INNOVATE

Data Reply supports companies in combinatorial optimization processes through Accelerated Computing and Quantum Computing techniques, as well as customized workshops on Graphical Processing Units (GPUs), Quantum Processing Units (QPUs), Tensor Processing Units (TPUs) and Deep Learning models.

ENABLE & SHARE

Data Reply aims to support its customers in developing and implementing a consistent, holistic data strategy that goes well beyond technology and considers all changes across the organization: from Culture, to People, to Process, to Technology and Governance.

DATA REPLY EXPERTISE

SALES & MARKETING INTELLIGENCE

We design and deliver Data Solutions to support sales and marketing processes.

- CUSTOMER INTELLIGENCE
- PRODUCT INTELLIGENCE
- SMART PROCESS AUTOMATION
- SPACE INTELLIGENCE

BIG DATA ENGINEERING & SECURITY INTELLIGENCE

New solutions that bridge the gap between traditional Business Analytics and the world of Big Data, leveraging modern Big Data Platforms.

- DATA PLATFORMS
- QUANTUM & GPU COMPUTING
- SECURITY INTELLIGENCE

ENTERPRISE INTELLIGENCE

When the complexity of business processes increases, having good governance and data quality makes the difference.

- AI FOR IPA
- BIG DATA GOVERNANCE: AUDIT & COMPLIANCE
- RISK DATA PLATFORMS

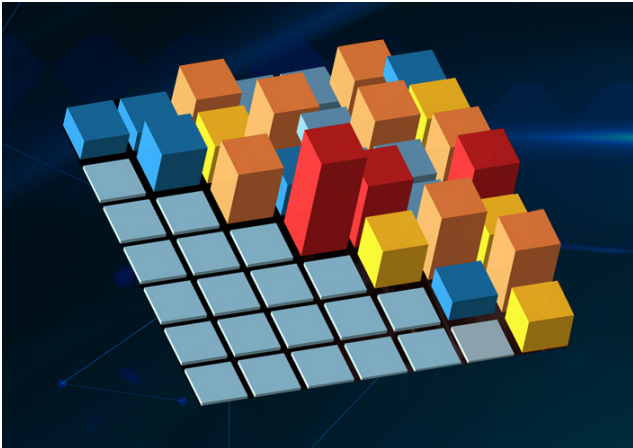
INDUSTRY & IOT INTELLIGENCE

Data can be processed to provide countless insights, for both business and manufacturing processes, to achieve and maintain true operational excellence.

- OPERATIONAL EXCELLENCE: INDUSTRY, ENERGY & IOT
- DATA QUALITY
- ADVANCED FORECASTING

MEGAQUBO: THE QUANTUM-INSPIRED ACCELERATOR FOR COMBINATORIAL OPTIMIZATION

www.reply.com/data-reply/it/megaqubo



WHAT IS QUBO?

QUBO (Quadratic Unconstrained Binary Optimization) is a quantum-inspired formalism used to describe combinatorial optimization models that can be leveraged to improve your business processes.



WHAT IS MEGAQUBO?

MegaQUBO is the quantum-inspired service created by Data Reply to solve QUBO problems with high speed and precision. It is available both on-premise and in the Cloud.

SOLVING SPEED

Finding solutions to QUBO models in real-world contexts is resource-intensive, requiring high performance and great computational power. MegaQUBO, built on massively parallel hardware, can find optimal solutions in record-breaking times that cannot be matched with traditional computing strategies.

QUALITY OF THE SOLUTION

The accuracy of the solution has a direct impact on your business. For this reason, MegaQUBO places quality first, while providing quick response times for your use case.

SERVICE SCALABILITY

In real contexts, models can be composed of a large number of decision-making factors, which can change over time. MegaQUBO is designed to scale together with your project. Due to its highly parallelized, modular design it is able to manage complex models with minimal impact on its performance.

PLUG AND PLAY

Once converted into a QUBO Matrix, the problem case is submitted to MegaQUBO to produce the solution, without the need for further configuration. Data Reply can also support you in the model creation and definition phase, thanks to the expertise of its Quantum Specialists.