

Exploring the Challenges of Developing a Quantum Algorithm SaaS Platform

Our mission:

We solve complex optimization's problems using smart Quantum solutions, available immediately.



Olivier Pegeon, CEO & Sébastien Le Corre, CTO

Pain point

Current technologies still have their limits, including Artificial Intelligence.

Complex problem partially solved AI computational cost explosion AI energy consumption not sustainable

QbitSoft solution

A Quantum software platform dedicated to solve complex optimization problems.

Ouantum Modules I×↑ Jo× 1010 Q-ROAD Q-SEG **O-MEDOIDS** Vehicule routing Segmentation Clustering 03 X **Q-SCHED** Scheduling Q-Color Q-PGM Anomalv Graph coloring Detection PASQAL IBM Quantum

Features

- Ability to analyze extremely large datasets and generate results precisely interpretable
- Packaged solution running on available technology, Analog Quantum annealer

Uses cases



Benefits

- Faster, cheaper, more accurate optimization, optimized energy consumption
- Fast Business ROI, no Quantum expertise or investment required

Plan

Exploring the Challenges of Developing a Quantum Algorithm SaaS Platform

The challenge of market relevance

The challenge of skill

The challenge of industrialization

Question: How to sell a technology that will bring value in X years?

- Various hardware offers
- No clear definition of maturity
- Nobody speaks the same language
- Quantum is scaring for business
- Quantum is paying for AI fails (80% fail in 2023)

Answer: Don't!!!

Key Elements

- Stop to try to fit the problem with the solution
- Sell business value not technologies
- Sell <u>current</u> value
- Value is not just about money!!

The challenge of market relevance

Our team





Olivier Pegeon CEO-Founder France

Former VP at IBM, former CEO of a logistics' company, N7 Engineer

Dr. Sébastien Le Corre CTO Canada

PhD in Materials Science, former Al Manager BNC, Expert in Data Science & Deep learning



Dr. Vivien Perrin Chief Science Officer

France

PhD in Theoretical

Physics, ENS ULM

Major in Quantum

Physics

Quantum optimization expert ^{France}

Aka Brou

ENS Paris Saclay Modeling Simulation HPC



Martin Vialle Quantum & ML Engineer *Part-time* France

EFREI Paris Data Science & Quantum Technology

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PhD in Materials Science, former Al Manager BNC, Expert in Data Science & Deep learning

Fall 2024

Dr. Fillippo

Stellin

Quantum Algorithm

expert

France

PhD in Theoretical

Physics

Post Doc ENS

Paris Saclay

Modeling

Hiring in progress:

- 1 or 2 full time
- 4 interns



Dre. Johanna Klein **Ouantum Algorithm** expert France

PhD in Theoretical Chemitry, at La Sorbonne Post Doc at ICGM Quantum computing & algorithms



Aka Brou

Quantum

optimization expert

France

ENS Paris Saclay

Modeling

Simulation HPC



Inaki Artaud Quantum software Engineer France

Epita Paris Software engineering, Major In Quantum computing

Rayen Ben Ismail Quantum & ML Engineer Part-time France

Telecom Paris Quantum Physics, Mathematical & Computational engineering



Martin Vialle Quantum & ML Engineer Part-time France

EFREL Paris Data Science & Quantum Technology

Dr. Vivien

Perrin

Chief Science

Officer

France

PhD in Theoretical

Physics, ENS ULM

Major in Quantum

Physics



Student Engineer - 3rd yrs Polytechnique Paris -Major in Quantum Technology

Intern

France



Martin Pujol Intern France

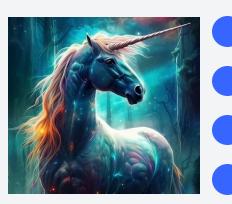
Data & AI Student Engineer - 2nd yrs ESILV-Student Researcher 1st yrs Master Physics, Sorbonne 6

The challenge of skill



Data Science Quantum

The challenge of skill



Maths

Data Science

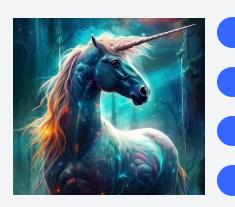
Quantum

Business





The challenge of skill



Data Science

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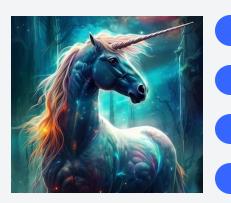
Quantum

Maths

Business



The challenge of skill



Data Science

Quantum

Maths

Business



Skills hiding where we don't imagine

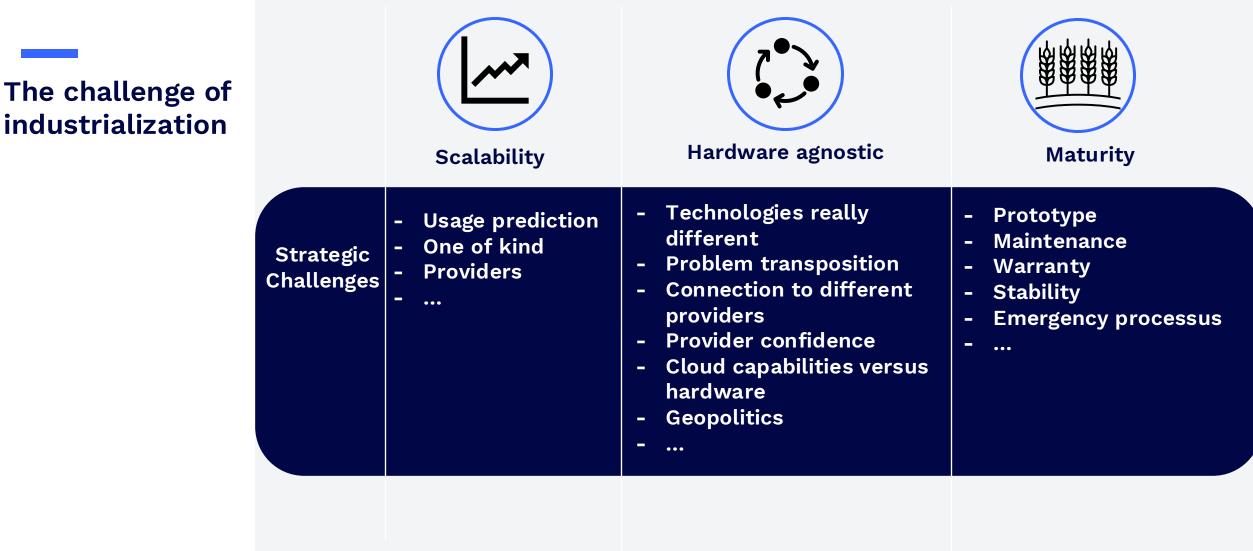
The revenge of the physicians

Don't look for skills, but for a fit! It's just like casting

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"Difficult to see. Always in motion is the future" Yoda, The Empire Strikes Back, Star Wars

3 big challenges



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In conclusion

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https://www.qbit-soft.com/

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