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QANplatform, the quantum-resistant hybrid blockchain platform enables developers and enterprises to rapidly switch to QANplatform or build software applications and run business processes on blockchain

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**Contact:**

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**Status:**

Private blockchain v1,  
fully testable upon request

Public blockchain testnet release  
2021 Q1

**The Problem solved**

A blockchain platform, like QANplatform is the basic infrastructure of all blockchain projects and applications. It is like the operating system of the 4th industrial revolution. Blockchain is a top digital transformation trend.

According to Gartner, by 2025, the business value added by blockchain technology will grow to more than \$170 billion, then surge to exceed \$3.1 trillion by 2030.

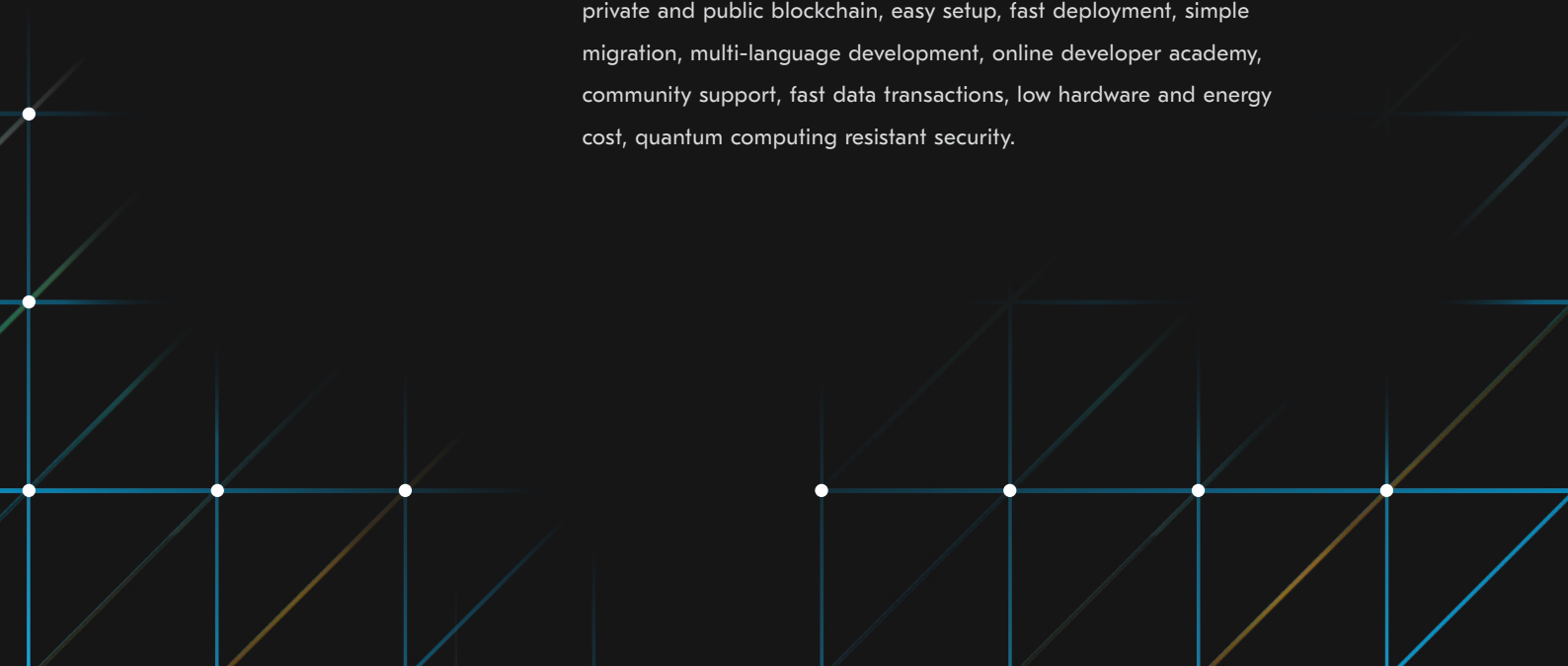
Mainstream blockchain options on the market are technologically inadequate for real enterprise use cases. By 2021, 90% of current enterprise blockchain platform implementations will require replacement within 18 months according to Gartner

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**QANplatform's solution:**

QANplatform, the quantum-resistant hybrid blockchain platform enables developers and enterprises to rapidly switch to QANplatform or build software applications and run business processes on blockchain by providing a powerful software toolkit.

The QAN blockchain platform toolkit includes: open-source code, private and public blockchain, easy setup, fast deployment, simple migration, multi-language development, online developer academy, community support, fast data transactions, low hardware and energy cost, quantum computing resistant security.



## QAN's Key features

### Open-source code:

- QAN public blockchain code is free and open-source

### Quantum-resistant security feature:

- Free by design in the public blockchain
- Can be added to the private blockchain for a license fee

### Rapid 1-click implementations:

- Running 3 nodes with 50 data transactions – 1 minute deployment
- Integrations to cloud, virtualized, bare metal platforms and deployment systems

### QAN blockchain platform is running on these platforms:

- Cloud: Amazon AWS | Microsoft Azure | Google Cloud  
*Upcoming:* Alibaba Cloud | IBM Cloud | Oracle Cloud | SAP Cloud | Red Hat Cloud
- Virtualized: VMware | KVM  
*Upcoming:* Xen | Hyper-V | VirtualBox
- Bare Metal: Apple | Dell | HP

### Deployed using these systems:

Single-host | Swarm | Kubernetes

### Multi-language development in these WebAssembly languages:

- Rust  
*Upcoming:* C | C++ | Rust | TypeScript | C# | Go | Lua

### Easy-switch smart contract translator

- Ethereum (Solidity) to QANplatform (C, C++, Rust, TypeScript)

### Consensus algorithm:

- Private blockchain: Raft Consensus Algorithm
- Public blockchain: Proof-of-Randomness (PoR)

### Data transactions per second:

- Private blockchain: 97,000 TPS
- Public blockchain: 1,600 TPS

### Low hardware and energy requirements

- Data transfer does not require high computational capacity, so it
- does not require 'power machines' thus using low energy.