



The Quantum Wake-Up Call: Shielding Energy Systems from Quantum Risks

This isn't sci-fi. It's a call to act.

Quantum computing threatens to break today's encryption, jeopardizing smart grids and IoT-based control systems—turning stable power and utility networks into vulnerable infrastructure.

Your Password Is Just The Beginning.

That 15-character password that takes centuries to crack? Quantum will do it instantly.

And it won't stop there.

Credentials, data, and systems are all at risk.

The Time it Takes to Crack Your Password

| Number of Characters | Numbers Only | Lowercase Letters | Upper and Lowercase Letters | Numbers, Upper and Lowercase Letters | Numbers, Upper and Lowercase Letters, Symbols |
|----------------------|--------------|-------------------|-----------------------------|--------------------------------------|---|
| 4 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 5 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 6 | Instantly | Instantly | Instantly | 1 sec | 5 secs |
| 7 | Instantly | Instantly | 25 secs | 1 min | 6 mins |
| 8 | Instantly | 5 secs | 22 mins | 1 hour | 8 hours |
| 9 | Instantly | 2 mins | 19 hours | 1 days | 3 weeks |
| 10 | Instantly | 58 mins | 1 month | 7 months | 5 years |
| 11 | 2 secs | 1 day | 5 years | 41 years | 400 years |
| 12 | 25 secs | 3 weeks | 300 years | 2k years | 34k years |
| 13 | 4 mins | 1 year | 16k years | 100k years | 2m years |
| 14 | 41 mins | 51 years | 800k years | 9m years | 200m years |
| 15 | 6 hours | 1k years | 43m years | 600m years | 15 bn years |
| 16 | 3 days | 34k years | 2bn years | 37bn years | 1tr years |
| 17 | 4 weeks | 800k years | 100bn years | 2tr years | 93tr years |
| 18 | 6 months | 23m years | 6bn years | 100 bn years | 7qd years |

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|----------------------|--------------|-------------------|-----------------------------|--------------------------------------|---|
| 4 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 5 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 6 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 7 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 8 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 9 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 10 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 11 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 12 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 13 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 14 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 15 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 16 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 17 | Instantly | Instantly | Instantly | Instantly | Instantly |
| 18 | Instantly | Instantly | Instantly | Instantly | Instantly |

The Next Step Is Clear.

Modernize with a cybersecurity framework built to adapt, starting with NIST.

The NIST Cybersecurity Framework

Built for today. Ready for what's next.

As quantum decryption threats grow, aligning with NIST provides a proven roadmap to mature cybersecurity posture—one that adapts to tomorrow's risks. **Don't wait for quantum to catch up. Get ahead with InterVision.**

