

Cryptography Research Center

Security Laboratory

**Innovation
for a
better world**

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Who We Are

The Technology Innovation Institute (TII) is a global scientific research center attracting the world's foremost scientists and researchers.

The Cryptography Research Center (CRC), part of TII, brings together theoretical and applied cryptographers to contribute to the advancement of the cryptography field.

Concerned by the ever-evolving threat landscape of cybersecurity, CRC has established one of the first research-driven security labs in the MENA region.





The foundation of information security

What We Do

Services

- Secure design
- Implementation review
- Compliance
- Cryptanalysis
- Penetration testing
- Vulnerability intelligence

Industries

- Critical national infrastructure
- National defense
- Telecommunications
- Automotive
- Autonomous systems
- UAV ground and airborne based systems

Our Capabilities

Secure design

- Threat analysis
- Architecture / design review
- Countermeasures / mitigation design assessment
- Secure product co-design

Implementation review

- Secure source code review
- Secure RTL review

Compliance

- IoT/edge/autonomous device security compliance assessment
- Critical infrastructure security compliance assessment
- Common Criteria compliance assessment

Cryptanalysis

- Theoretical analysis of symmetric cryptography
- Side-channel security evaluation
- Fault injection security evaluation

Penetration testing

- Hardware penetration testing
- Software penetration testing
- Device penetration testing

Vulnerability intelligence

- Vulnerability assessment and triage
- Threat intelligence on-demand services / feeds

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