



# AMYNASEC

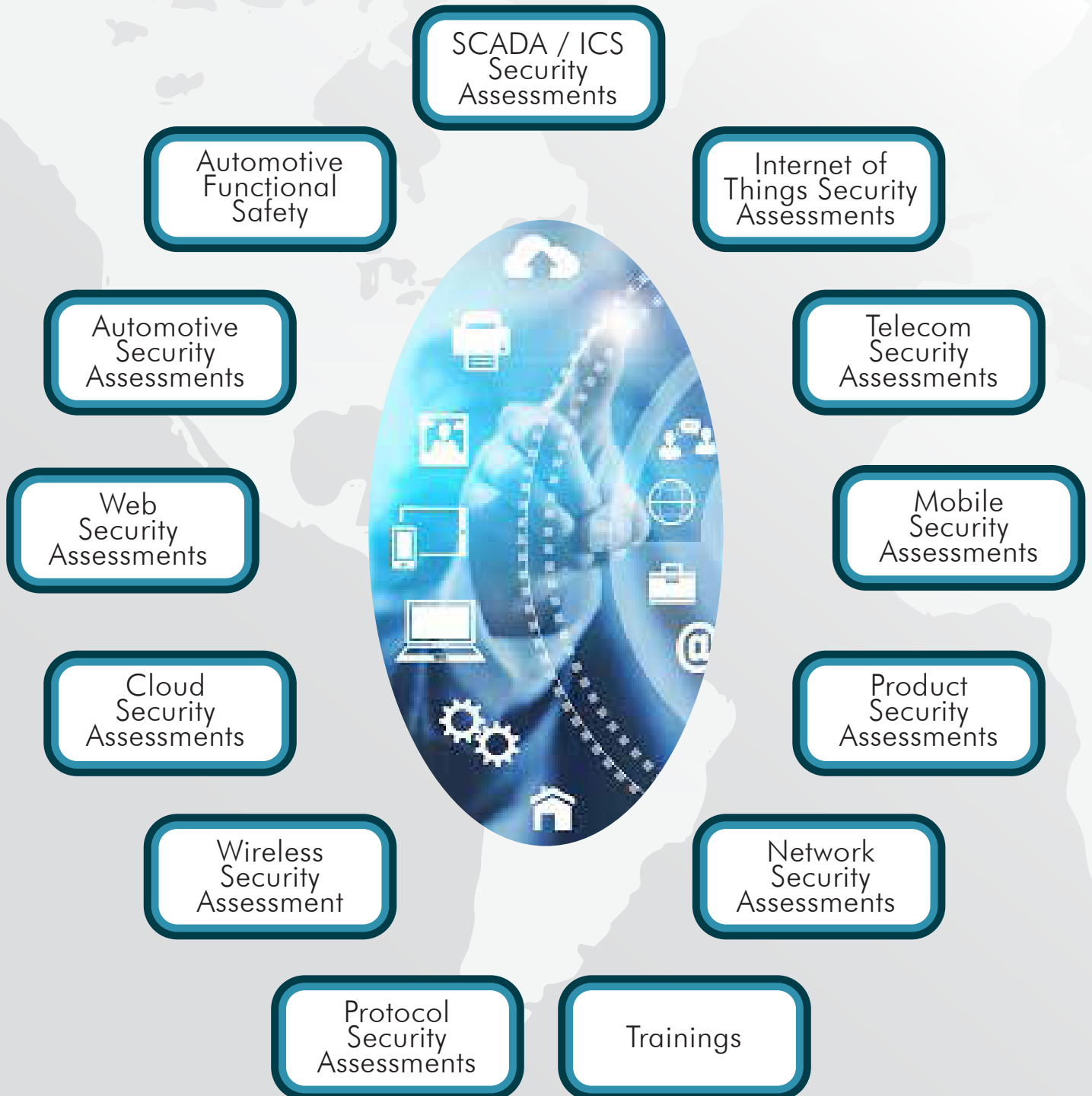
Advanced Research • Security Solutions



## SERVICES

Automotive Cyber Security | Automotive Functional Safety  
Telecom Security Assessment | Industrial Control Systems  
Internet of Things Security Assessment & Many more.

# What We Do



## Automotive Cyber Security

- Preparation of TARA (Threat analysis and risk assessment)
- Support in establishing Cyber security process (i.e. J3061)
- Creating Cyber security plan
- Support in Cyber security development (System, HW and Software)
- Support in implementing AUTOSAR specific security concept
- Perform vulnerability analysis (System, SW and HW)
- Perform source code reviews and Penetration Testing
- Perform Cyber security functional test
- Perform Fault injection, side channel attacks
- Cyber security Trainings

## Automotive Functional Safety

- Support for establishing ISO 26262 process
- Safety Analysis FMEA, FTA and FMEDA
- Technical Safety Concept, consultation in SW&HW Safety
- Safety planning
- Creation of Safety Case
- Functional Safety Audits, confirmation and Assessments
- Functional Safety Trainings

## Industrial Control Systems (ICS) Security Assessment

- ICS/OT Device Security Program Maturity Assessment
- Product Security Governance, Regulatory, and Compliance (GRC) Technology Design, Development, and Implementation
- Security Program Design, Development, and Implementation
- Technical Security Testing
- Audit Support based on IEC 62443, NIST 800-82, NIST 800-53 and NIST/AER, Qatar standards

## Internet of Things (IoT) Security Assessment

- Embedded Device Assessment
- Device Firmware Assessment
- Radio Communication Analysis
- Mobile and Web component Assessment
- Cloud Security Assessment
- Side Channel and Fault Injection Testing

## Telecom Security Assessment

- SS7 – Penetration Testing 2G & 3G signalling
- Diameter – Penetration Testing 4G signalling
- Pen-Testing GRX (GPRS Tunneling Protocol)
- Pen-Testing Voice Over LTE (VoLTE) & Fixed IMS
- Forensics/Post attack analysis services for telecom operators.
- Air Interface (i.e between ME and Cellular Tower) Assessments
- IPTV Network Pen-Testing Services
- FTTH Service testing services

## Trainings

- Practical Industrial control systems (ICS) Hacking
- Exploiting Industrial IoT
- Reversing and Exploitation of Vehicle





# ABOUT US

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AmynaSec is a research-oriented security solutions provider offering a wide range of services and solutions to clients to help them secure their businesses and infrastructure.

Comprising of consultants with over 10+ years of experience in ICS/SCADA, Automotive, IoT, Telecom, Network and various application security domains, AmynaSec is capable of delivering state-of-the-art solutions and services.

## OUR VISION

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Our name derived from  
'Amyna' – the Greek word for "Defense" & Amina – Arabic word for "Trustworthy"

Our vision is to establish a trustworthy relationship with our clients whilst enabling them secure their businesses through state-of-the-art solutions.

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