



مونکو ایران
Monenco Iran

Monenco IRAN. ICT Department



ICT Department

ICT department of Monenco Iran has valuable experiences, strong engineering capabilities and technical knowledge in offering a wide range of services to customers in various industries.

The multifaceted approach positions ICT department as a dynamic and versatile partner; capable of delivering high-quality solutions across various technological and strategic dimensions.



Transportation



Oil & Gas



Telecom & IT



Water &
Wastewater



Power &
energy



Governmental
Organization

+50
Expert

+200
Client

+80
Master Plan

+22,000 Km
Fiber Optic
Network Design



Fields of Expertise

- Communication Technology (Fixed and Wireless)
- Information Technology
- Digital Transformation
- Digital Economy
- Regulation
- Strategy and Business Planning
- Cyber Security

Wireless Communication

- PMR and PAMR network design
- Technology selection according to client needs
- Link budget calculation
- Coverage engineering
- Traffic engineering
- Network dimension determination
- Network optimization
- Frequency planning
- Interference design
- Microwave network planning

Fiber Optic Design

- Transmission network design based on:
 - PDH/SDH/NG-SDH/MSTP/PTN/CWDM/DWDM/OTN technologies,
- FTTx network design,
- Fiber optic core and cable design including:
 - OPGW/OBUC/OBFC/ADSS,
- Test equipment and test methodology such as:
 - Power meter, OTDR, PMD and CD test, OSA test, etc.

IP Based Network Design

- Network solutions for private enterprises and government organizations across various tiers.
- Working on variety of technologies, including:
 - Pure IP,
 - Hybrid configurations,
 - TDM over IP,
 - IP-MPLS,
- Offering strategic proposals and meticulous designs.
- Providing suitable solutions for a diverse array of services, Data, Voice, CCTV, and more

NGN/IMS System Design

- Designing NGN/IMS systems that align with the business objectives.
- Scalability and reliability according to industry standards and system architecture.
- Integration of NGN and IMS with existing infrastructure.
- Deployment of NGN/IMS systems, ensuring a smooth transition from legacy systems.
- Test and validation processes.

IT Services

IT Governance Services

- Focus on the framework for information and related technologies,
- Help business goals, manage risks, manage roles, and optimize processes and resources through COBIT framework,
- Defining principles, capabilities, and governance and management objectives,
- Management of IT strategies,
- IT risk management,
- Optimizing resources, improving performance and delivering value to stakeholders for managers and employees of organizations.

E-Government Services

- Designing IT platforms to deliver public services and information to citizens,
- Developing web services catalog,
- Designing required processes to deliver electronic services,
- Developing government service bus (GSB),
- Designing enterprise service bus (ESB) and Information exchange (IX) centers,
- Making services and processes smart.

IT Services



Enterprise IT Architecture

- Helping organizations to design, implement, and optimize their IT systems to align with business objectives.
- Developing enterprise IT architecture,
- Assessment of As-Is architecture ,
- Defining To-Be architecture ,
- Developing transition plan through gap analysis ,
- Risk management,
- Security design.

Data Center Design

- Capacity Planning,
- Space and layout design,
- Power and cooling systems,
- Redundancy and High availability,
- Security design,
- Network infrastructure,
- Compliance and regulation,
- Technology selection,
- Environmental sustainability,
- Infrastructure audit according to TIA-942 and BICSI002 standards,
- Technical specification of required equipment.

- Determining the model of maturity and preparation of the company, organization or industry to implement the digital transformation,
- Identifying the needs and challenges of the company, organization or industry,
- Providing appropriate methods for using technology in addressing identified needs and challenges,
- Reviewing and providing advice on the roadmap for digital transformation,
- Developing interactions with emerging companies in the implementation of digital transformation projects.



REVENUE OPERATIONS



Digital Economy

- Using digital platforms, data, and connectivity to conduct business, create value, and drive economic growth
- Providing range of services and activities to help organizations make the most of the opportunities and challenges associated with the digital economy such as:
 - ❖ Digital transformation strategy,
 - ❖ Improving commerce through new technologies,
 - ❖ Data analysis,
 - ❖ Cybersecurity and data protection.
 - ❖ Cloud computing,
 - ❖ Regulatory compliance in the digital space.

Strategy and Business

- Strategizing plans, programs, and roadmaps for organizations to achieve their immediate, short, mid and long-term objectives to gain added values and competitive advantages,
- Market analysis,
- SWOT analysis,
- Risk assessment,
- Competitors evaluation,
- Developing business strategy,
- Commercial strategy and plan,
- Technology strategy and plan,
- Financial strategy and plan,

Regulatory


By staying informed about regulatory changes, advocating for favorable policies, and ensuring compliance, Monenco engineers contribute to the success and sustainability of telecommunications businesses:

- Regulatory Compliance,
- Licensing and spectrum management,
- Tariff setting and pricing strategies,
- Quality of service compliance,
- Risk Management.

Cyber Security


10

- Evaluation and analysis of system and network vulnerabilities,
- Providing risk reports with security recommendations,
- Providing advice on the design and implementation of security policies and standards,
- Preparing the document to provide the architecture of the industrial network and control systems,
- Conducting courses, awareness services and security training for employees,
- Understanding and completing operational processes and creating security awareness processes in the organization,
- OT-CSMS cyber security executive consultations,
- Implementation of monitoring and defense systems,
- Monitoring the occurrence of security incidents and providing appropriate respond for them,
- Penetration test,
- Assessing the current status of cyber security performance and presenting cyber management plans.



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