

Dr Fathy is a senior executive, with 20+ years of technology and regulatory experience in ICT, leading mega digital initiatives that span the technology, policy, and digital spaces. He serves on the board of several government institutions overseeing mega projects in the ICT and aerospace sectors, bringing his cross-vertical expertise in the teleco/digital domains.

As Sector Head of Strategic Planning at the Egyptian telecom regulatory authority (NTRA), he is spearheading teams tackling core regulatory functions including strategy and market development, market analysis, economic analysis, cost-benefit analysis for rule makings, regulatory impact assessment, standardization and technical aspects, international policies, cooperation and partnerships, research & development, and Industry 4.0 planning.

Over the span of his career, Dr Fathy has overseen the development and implementation of large scale projects with multiple stakeholders in areas like smart cities, smart mobility solutions and intelligent transportation systems, augmented and virtual reality, digital agriculture, smart water management, aerospace, energy metering and distribution, robotics, embedded systems, IoT, 5G, and AI. He has done advisory work on advanced ICT/Digital solutions design and standards based implementations with an emphasis on security, interoperability, and integration.

In addition to his responsibilities in overseeing a diverse portfolio of projects in multiple sectors, Fathy is leading a team that is promoting investments in the ICT sector to further diversify Egypt's ICT economy, exploring opportunities for vibrant industrial, research and commercial clusters and addressing their market entry barriers. He is also sealing partnerships with world-class global organisations to explore synergies and mutual collaboration opportunities.

Dr Fathy's team effort advocates Egyptian interests in international telecommunications and in different international techno-policy issues. In 2022, by heading the Egyptian delegation in the ITU Plenipotentiary Conference in Romania, he successfully led his team in advocating Egyptian interests, and in attaining ITU Council and Radio Regulations Board (RRB) seats. Furthermore, by targeting operational excellence and adopting an agile capacity building strategy tailored to market needs, the Egyptian African Telecom Regulatory Training Center (EG-ATRC), and in less than two years since its inauguration, has been recognized by the ITU as part of its newest flagship programme (ITU Academy Training Centres – ATCs) to develop the capacity of ICT professionals across the globe. EG-ATRC provides its participants the necessary foundation for the ICT regulatory art needed to achieve regulatory excellence in a very dynamic ICT market place.

Dr Fathy is currently serving as the Vice Chairman of ITU-T Study Group 20 (SG20), the lead ITU-T study group which develops international standards on IoT and its applications including smart cities and communities. Furthermore, he serves as the Chairman of the its regional group in Africa. On the research and pre-standardization front, he is currently serving as the Chair of the ITU/FAO Focus Group on "Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture" (FG-AI4A), whereby he is leading along with an international team of experts, the use of emerging technologies including AI and IoT, to support optimized agricultural production and management processes.