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| Key counterpart institutes and partners | Results of past technical cooperation | Thematic area |
| **NPPD Co**: The Nuclear Power Production and Development Company of Iran**BNPP Operation Co**.: Bushehr Nuclear Power Plant Operation Company**OCE Co**: Ofogh Consulting Engineers Company**TAVANA Co**.:Nuclear Power Plants Safety Development and Improvement Company**TAPNA Co.:**Nuclear Power Plant Repair and Support Company | Between 2014 and 2018, IAEA assisted in the increasing NPPD's capability in planning and implementing activities related to design and construction of two new pressurized light water NPP Units in Bushehr with emphasis on safety. Some of the most important achievements in the period mentioned:* Updated management system as per GS-R-3 (IAEA Safety Requirement),
* Office environmental monitoring center, laboratories and monitoring stations,
* Comprehensive training system including Bushehr NPP Training Center (BTC), Full-scope simulator (FSS), Computer- Based Training (CBT) and competent instructors,
* Establishment of specialized companies in the field of technical support and maintenance and repair.
* Updated National Nuclear Standards
* Competency development in national companies for suitable contribution to the program.

Between 2016 and 2020, IAEA assisted in the enhancing the level of operational safety and reliability of the Bushehr nuclear power plant-1. some of the most important achievements in the period mentioned:* Engineering experience in project management,
* Sufficient training operators in the commissioning phase which makes them prepared for M&R activities and refueling.
* Upgrading the nuclear safety infrastructure including technical infrastructure.
* Public awareness and acceptance.
* Planning for the development of appropriate technical infrastructure.

In current time, NPPD Co. has defined a new project (2022-2026) for getting necessary assistance in increasing the capabilities of the NPPD Co. in planning and implementing activities for the design, construction, commissioning, and operation of nuclear power plants with emphasis on updating safety.It is necessary to mention that The IAEA OSART mission was conducted at Bushehr Nuclear Power Plant unit-1 of Iran from 29 September to 16 October 2018. The purpose of an OSART mission is to review the operational safety performance of a BNPP-1.This OSART mission reviewed ten areas in BNPP-1 including Leadership and Management for Safety, Training and Qualification, Operations, Maintenance, Technical Support, Operating Experience Feedback, Radiation Protection, Chemistry, Emergency Preparedness and Response and Accident Management. During the IAEA team review, some areas of good performance of BNPP-1 were noted that including the following:* The plant has developed as a simple modification to the primary system chemistry monitoring system that provides quicker and more precise results while reducing radiation dose.
* The plant has developed a simulator that enhances its capability to train people to diagnose faults in the fire detection and protection systems.
* Before and during simulator training, a psychology specialist evaluates the performance and medical and psychological records of Main Control Room staff.

Bushehr NPP Management expressed their commitment to addressing the issues identified and invited an OSART Follow up visit. | Energy and planningIncreasing NPPD's capability with emphasis on safetySafety and reliability enhancing of the Bushehr Nuclear Power PlantIncreasing the capabilities of the NPPD Co. in planning and implementing activities with emphasis on updating safety |