

## Project Title

### Development and commercialization of SDH optical transmission systems



## Achievements

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#### Collaborators

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#### Executive Organization

▶ Partow Tamas Novin (Parman) Co.

## Abstract

Partow Tamas Novin (Parman) Co. was founded by a team of university professors in 2001 with the goal of developing national science and technology through design and development of high-tech telecommunication systems. Parman has designed and developed a range of products which are used in public telecommunication and enterprise networks. Parman has developed several SDH optical transmission systems that support a wide range of different services. These systems can provide TDM services ranging from E1 to STM-1/4/16/64. They can also provide different packet switched Ethernet services with interfaces that support 10/100 Mbps and 1/10 Gbps Ethernet ports.

Parman provides different software platforms to support the system and network management operations. These platforms facilitate the process of network configuration, maintenance and monitoring. The required features of these platforms are derived from the standard requirements and customer preferences. Parman systems are designed and developed based on international standards. Their design and development are based on well-developed engineering techniques and deployment of quality control processes in all aspects of corporate function. As a result, Parman systems are highly reliable and functionally rich products that have successfully passed international standard tests and are certified by the Iranian Communication Regulation Agency (CRA). Parman has developed very high-quality telecommunication products which require advanced levels of science and technology. These products have been used in the network of various telecommunication operators and have demonstrated their quality of operation in practice. This has improved the brand recognition of Parman and has also changed the perspective of telecommunication and mobile operators towards nationally developed high-tech telecommunication products.

