

Mission

ionSKY Inc. was founded in 2001 in Boulder, Colorado¹, with the goal of providing connectivity through state-of-the-art wireless technologies. The company's primary customers are high-end consumers, businesses and institutions with primary or significant locations in Colorado. ionSKY provides superior value and reliability through its application of modern technology, strong operational experience and dedicated customer service.

History

In 2001 ionSKY deployed a wireless network from its network operations hub in Denver to its Lee Hill transmission center² northwest of Boulder. The network is utilizing redundant OC3 and OC192³ connections to the Internet backbone and a 45 Mbps wireless backbone link from Denver to Boulder⁴. ionSKY started servicing its first high-speed wireless Internet customers in December 2001⁵.

During 2002 the company added several transmission relay points⁶ in the mountains to enhance the reach of its wireless network. Wireless T1 connections were added for business and institutional customers⁷. The company designed wireless backup connectivity solutions for mission-critical operations and added hosting and co-location services⁸. The company incubated a wireless ISP in Gilpin County and provided a wireless network backbone and other managed services for the new provider. Internal operations were enhanced by custom network monitoring utilizing wireless devices for the technical support staff.

In 2003 ionSKY relocated its central office to Boulder and added executive, administrative, technical and sales staff. The wireless network was expanded with another transmission center on Eldorado Mountain⁹ and a relay point in Superior¹⁰. ionSKY engineers developed an integrated Customer Premises Equipment¹¹ system with an optional built-in amplification that further shortened the installation time, lowered the installation costs and enhanced the reach of the wireless network. Voice over IP phone service option has been added for ionSKY wireless Internet customers.

The company has qualified and has been approved as an E-Rate Service Provider¹² for federally qualified institutions¹³. The company has built the necessary infrastructure to provide commercial fiber optics connectivity in the entire State of Colorado through its Denver network hub¹⁴ and is providing network services to qualified governmental entities in the State of Colorado through the State's Multi-Use Network (MNT)¹⁵.

Most recently, ionSKY started working with municipal and county governments to deliver Internet broadband connectivity, wireless services¹⁶ and mobile wireless solutions. As the first step, the network has been expanded to include a transmission center on Thorodin Mountain¹⁷ and the surrounding market¹⁸. Together with the network extension to Gilpin County, three new radio facilities have been constructed and deployed in Central City.

Available Technology & Services

Wireless Technology and Services:

- RF site surveys and consulting
- Wireless networks design and topology
- Wireless networks construction and deployment
- 2.4 GHz Direct Spread Spectrum RF networks
- Proprietary 5.8 GHz and 5.3 GHz RF point-to-point backhaul backbone
- Proprietary 5.8 GHz and 5.3 GHz RF point-to-multipoint backhaul technologies
- Integrated Router/Firewall/Amplification in CPE (Customer Premise Equipment)
- Mobile wireless municipal network design, installation and support