



# PENNZOIL PLACE

## STATE OF THE ART IP TECHNOLOGY BACKBONE

... an iconic landmark building that connects  
YOU to the WORLD!

Pennzoil Place ownership has focused on and invested in building automation and efficiency enhancements which include an innovative fiber optic backbone system to optimize base-building systems' controls and effectively support all Pennzoil Place tenants' connectivity requirements. Pennzoil Place is the only property in the City of Houston to offer this technology.

This state-of-the art fiber optic backbone now serves as the property's main nerve center, handling everything from voice and data communications, VOIP communications, physical access control, security cameras, digital signage, and the building automation system. By unifying all of these typically separate systems, Pennzoil Place has been able to realize significant benefits such as improved response times to tenant requests, elimination of third party fees for remote system monitoring services, and most importantly a reduction in building energy consumption by over 20 percent in the first year alone! We have and continue to be mindful in employing cost savings strategies to benefit our tenants and the environment. This investment has allowed us to partner with our electricity provider to participate in electrical demand programs which also contribute to our superior efficiency.

This fiber optic backbone system is located in the property's highly secured server room that is UPS and back-up generator supported. This allows tenants to save the expense of adding above-standard HVAC to their tenant space simply for the purpose of supporting IT operations.

Additional innovative capabilities include the ability to leverage our investments in enterprise level technologies. For our tenants, this provides for the best technology in respect to data communications, VOIP communications, physical access control, security cameras, and digital signage by simply providing them with their own secure Virtual Private Network (VPN) with access to all of these abundant features. The benefits are access to the best technology available, competitive pricing, fast installation, and savings over traditional systems. Pennzoil Place offers a 72 hour plug-and-play, saving potentially months of installation time as compared with a traditional internet connectivity project.

State-of-the-art Internet Protocol (IP) communication technologies powered by the Cisco "Smart + Connected" Building are the backbone for delivering this leading edge technology. A 10G Cisco backbone (1 GB to all ports) has been installed as a fully scalable system to meet the needs of Pennzoil Place and its tenants. The network and building infrastructure provide reliable connections to voice and data service provider networks. Tenants who are engaged experience the benefits of faster provisioning to any of the voice and data service providers in the building. This infrastructure is available to multiple suites if required. Additional capabilities include uninterrupted wireless internet connectivity (immediately available in leased space), digital media information systems, and Cisco Telepresence video-conferencing. This equates to business continuity, efficient move in and support, scalable infrastructure, and very significant tangible cost savings.

This IP technology-enhanced property provides tenants the foundation to continuously deliver innovative services that transform the user experience.

Welcome to the icon. Welcome to Pennzoil Place - the future of tenant focused technology.

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