



# VIRTUAL REALITY AND DATA CAMPUS Located in South Jersey

120,000 sqft of Data Center and Virtual Reality Media Services facilities located at 601 Bridgeton Ave, Bridgeton, New Jersey are being established to provide online digital infrastructure to the Eastern Seaboard for:

Cloud Computing and Storage, Media Distribution,  
Artificial Intelligence, and Virtual Reality Services.

# DATA CENTER

A “data center” is a building with computer servers and digital storage that provide services to individual businesses, educational institutions and governmental entities.

Today, when we talk about “cloud computing” we mean data center services that can be provided to companies on a scalable basis, allowing companies to expand and contract their computing and storage needs depending on their business demands.

XConnect in New Jersey is part of a national Content Distribution Network (CDN) providing private cloud services as well as distribution of media content for private companies.

XConnect’s CDN is built to distribute conventional video streaming services and also to provide support and distribution to Ultra High Resolution Virtual Reality Programming and Services.

# Virtual Reality and New Jersey's Innovation Economy

A person wearing a VR headset and holding controllers in a virtual environment. The background is a dark space with glowing blue and green geometric shapes, suggesting a virtual world. The person is wearing a black shirt and light-colored pants.

- Virtual Reality is a digital, “immersive” technology that allows individuals to experience seemingly physical environments and interact with other individuals – whether they be real or simulated.
- Virtual Reality is currently being used by over 40% of the Fortune 500 for training, strategizing, designing new products and services and entertainment.
- Virtual Reality and its related technology, Augmented Reality, are state of the art technologies increasingly becoming available on consumers’ smart phones, which provide interactive services to consumers as they make their way through the daily life.

# \$250M Initial Investment in Digital Infrastructure Supported by Solar Power in Bridgeton, NJ

- Proposed 71 MW of new power from Atlantic City Electric
- Proposed 60 MW of Solar Power generated at the site behind the meter
- 150,000 Computer Servers providing Computing Power and Storage including:
  - 15 Exabytes (15 million terabytes) of Private and Public Cloud Storage
  - Digital Media Rendering Services
  - Triad Services for Managed Service Providers
  - Virtual Reality Distribution (via CDN)
  - Artificial Intelligence and Machine Learning Systems
- Affiliate Companies, Educational Institutions, and Communities involved in Digital Health and Smart Cities Big Data Systems

# Solar Power

A large array of solar panels is shown in a field under a clear sky. The panels are arranged in rows and are tilted towards the sun. The background is a bright blue sky with a few wispy clouds. The foreground shows a green field.

- The construction of 60 MW of “behind the meter” solar power for the XConnect data center is one of the largest solar installations in the state of New Jersey.
- The purpose of this construction is to support the Data Campus and with clean, renewable energy.
- The overall construction of the solar array is to be built and commissioned in 2019 and will employ over 250 union workers for several months, generating over \$25M in income to the work force and local economy as construction commences.

# Affiliates of XConnect

- XConnect is providing data center services to companies in the entertainment space, digital health and telemedicine, as well as Big Data and strategic planning services to over 100 metros and municipalities in the United States.
- Plans are developing for some of these companies to open offices in South Jersey, which would provide 200-400 well paying, full time information technology jobs and allowing us to further participate in the burgeoning Innovation Economy in New Jersey.

# Jobs for South Jersey

- 200-400 well paying full time jobs directly tied to XConnect. Employees will be needed to staff:
  - Infrastructure Systems related to the Data Campus and affiliate work.
  - Systems related to the state of the art CDN network.
  - Two proposed Green Screen, 8K Video Recording Studios for Virtual and Augmented Reality and Media Effects work.

The background of the slide is a collage of two photographs. The left photograph shows a group of diverse students gathered around a table with pink and black materials, possibly at a career fair or educational event. The right photograph shows two men, one older with glasses and a beard, and one younger with glasses, standing together and smiling. The text is overlaid on a semi-transparent white box in the center of the collage.

# Innovation Economy in New Jersey Jobs and Education

- Executives with XConnect are developing plans with Rowan University to provide internships and research platforms for various disciplines related to our affiliates.
- XConnect will provide free access to state of the art digital programming training for local Vocational Tech and High Schools for students seeking to enter the Innovation Economy, as well as helping to retrain adults into new, contemporary occupations.