

# Louisiana Immersive Technologies Enterprise

PARTNERSHIP

CONNECTIVITY

TECHNOLOGY



[www.thelite.org](http://www.thelite.org)

The Louisiana Immersive Technologies Enterprise (LITE) will soon be the cornerstone of the University of Louisiana at Lafayette's University Research Park at University Common. As the world's first digital 3D data visualization facility, LITE is attracting the interest of far-sighted and technology-minded entrepreneurs from every industry.

LITE's 3D visualization capabilities will allow individuals to "walk inside" projected data, and give insight into data that was previously only viewable on a 2D screen. LITE harnesses the power of cutting-edge technology to create a platform for applied research and development. The application of this technology will spur innovation, transform dynamic industries, and propel researchers to the forefront of their respective fields.

# Louisiana Immersive Technologies Enterprise

LITE is an innovative collaboration between government, universities, and industry focused on economic development in Louisiana. LITE will provide an infrastructure for basic research, applications development, testing and validation, product development, and commercial production.

LITE will stimulate and promote relationships and interaction between technology intensive companies, ventures, entrepreneurs, the University of Louisiana at Lafayette, and other state and national universities.



LITE is the future of business.

## LITE Configuration

The 70,000-square-foot LITE facility will feature world-class visualization environments, high-performance computing, and fiber optic and grid computing connectivity through the statewide LONI network and the National LambdaRail.

- The world's first six-sided 3D immersive cube using Digital Light Processing
- 175-seat auditorium, the world's largest, facing a curved 40-foot fully-immersive screen
- Immersive collaboration tele-conference room (30 seats)
- Conference room with SGI® Reality Center® (20 seats)
- Twenty-two Silicon Graphics Prism™ systems each powered by 16 Intel® Itanium® 2 processors
- SGI® InfiniteStorage providing instant data sharing among LITE's visualization and computing systems
- Mercury Computer Systems' amiraVR™ software
- VRCO's vGeo and CAVElib™ software
- Computational grid connecting supercomputers
- Visualization grid connecting to other high-end visualization centers internationally
- Dual-feed electrical service from two independent substations
- Dual connections to LUS municipal fiber loop and multiple carrier fiber connections
- Multiple 10-Gbps circuits connecting to the University of Louisiana at Lafayette
- 60-Gbps connection to Louisiana Optical Network Initiative and National LambdaRail
- Distributed computing and remote processing capabilities



OIL & GAS  
MEDICAL CARE  
LIFE SCIENCES  
MANUFACTURING  
ENGINEERING  
ENTERTAINMENT

## University Common

The LITE facility is under construction within a 400+ acre University of Louisiana at Lafayette owned complex containing existing federal, state and local research facilities, horticultural centers, parks, athletic facilities, a domed arena and convention center. University Common features miles of existing and planned walkways. A new hotel, the Hilton Garden Inn, is under construction and due to open in 2005.



**Entrepreneur**

The October 2004 issue of Entrepreneur magazine names Lafayette, LA as one of the most attractive cities in the country for high-tech businesses, citing LITE and its accessibility along with a well-trained, high-tech workforce.

Laurie Dineen-Dieck  
LITE Business Development  
Lafayette Economic Development Authority  
Lafayette, LA  
Phone: 337.593.1400 • 800.810.7771  
Email: [lauried@lafayette.org](mailto:lauried@lafayette.org)  
[www.thelite.org](http://www.thelite.org) • [www.lafayette.org](http://www.lafayette.org)

