

Have you ever asked:

"What is the Research Triangle Park?"





PhDs?



TEES?







We're more than that.

A place, yes...

... but also an organization sworn to protect education, job creation and quality of life for all NC.

A story worth sharing...



In the 1950's, leaders from government, industry and academia came together to pull NC out of economic despair





Land was identified, money was raised, and plans for a large scientific research park were drawn up

age cannol



The first companies were soon up and running after the Park's founding in 1959

ENTERING RESEARCH TRIANGLE PARK

THE RESEARCH TRIANGLE PARK

Through several major land sales in the 1960's, RTP paid off its mortgages and was soon a major economic engine



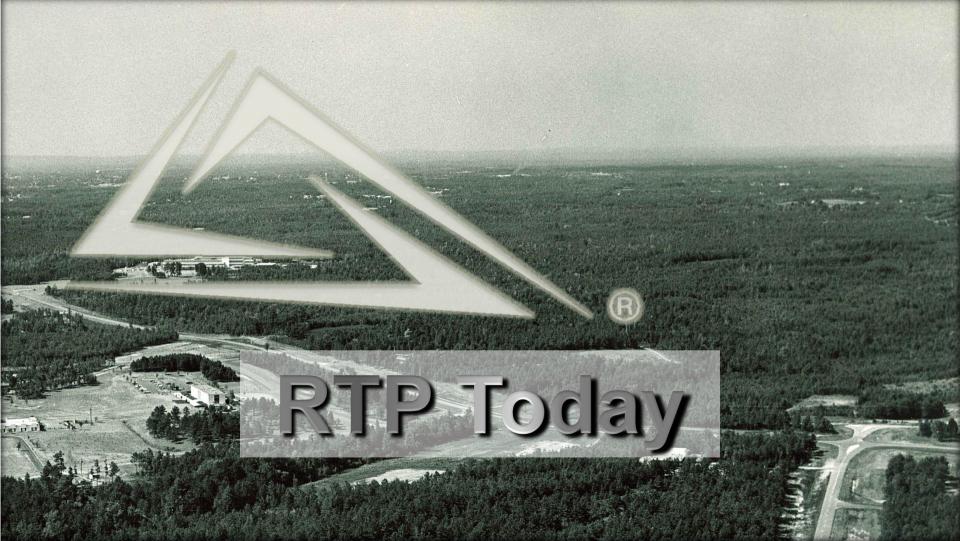
Many scientific breakthroughs followed

M

An economic legend was born







RTP By The Numbers

7,000 acres

190+ companies Life Science/IT/Tech/Cloud 22+ million sq ft 50,000+ employees 5 IT/Life Science Incubators w/ 50+ companies





New Companies, New Jobs, New Facilities

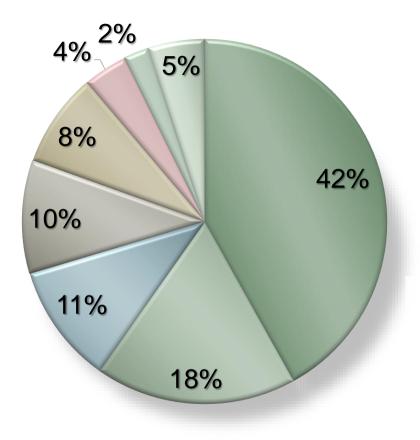
- Over \$1 Billion of capital investment in the past 5 years.
- Over 1 million sq ft of newly built space completed in that time, in addition to 367,000 sqft under construction or announced
- $_{\circ}$ 2,200 new jobs announced since 2011
- On average, 20+ companies are founded in or move to RTP each year
- Expansions ongoing at NetApp, Syngenta, and Bayer CropScience











Life Sciences

Information Technology

- Professional and Management Consulting Services
- Foundations, Institutes and Scientific Associations

Instruments and Advanced Materials

- Clean and Green Technologies
- Financial and Insurance Activities

...an array of R&D firms with strengths in pharmaceuticals, big data, crop science, cleantech, and more...





...one of IBM's largest sites in the world...







...**Cisco**'s largest campus outside of its California headquarters...

...a 500-acre campus for federal government agencies (EPA & NIEHS)...

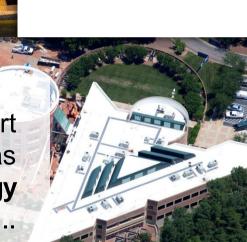
....RTI, the Park's first tenant and one of the world's leading research institutes...

... industry support organizations such as the NC Biotechnology Center...

... Major operations for 4 of the world's top 6 agro-bio companies...











Astroturf

(Chemstrand), 1965)

Taxol, one of the most widely prescribed anti-cancer medications in the world.

(GSK, 1967)

NDC 0015-3476-30 100 mg (6mg/mL) SEMISYNTHETIC TAXOL® (paclitaxel) Injection MULTIDOSE VIAL [MDV] CAUTION: Dilution required. Read package insert. WARNING: Cytotoxic agent



The UPC Barcode

(IBM, 1972)



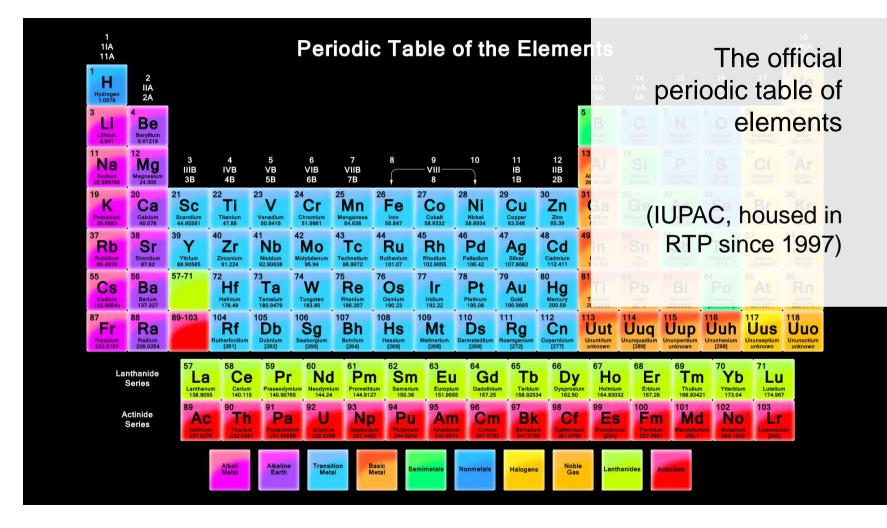
The Ctrl+Alt+Delete function

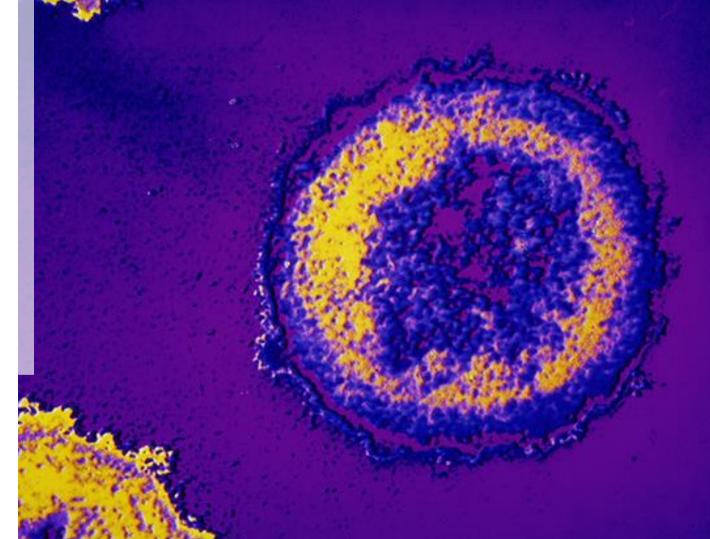
(IBM, 1980)

Digital cellular technology

(Bell Labs, 1980)







The second patient in the world ever functionally cured of HIV

(Viiv Healthcare, a GSK venture, 2013)



Duke engineers are developing "metamaterials" to focus and redirect electromagnetic waves, forming an "invisibility cloak" around solid objects

UNC-Chapel Hill researchers are using a 120-foot wave tank to study marine sciences and mathematical models of fluid dynamics NC State researchers developed a new method for forecasting seasonal hurricane activity that is 15% more accurate than previous techniques



Working in partnership with NASA, RTI engineers helped develop the wind shear avoidance and detection systems used in modern aircraft

EPA scientists are using a state-ofthe-art wind tunnel to simulate how air pollution is dispersed in a city

Cree is a marketleading innovator of lighting products, LED components and semiconductor products for power and radio-frequency (RF) applications



(86)

for Emerging Cardiovascular Technologies at **Duke University** developed 3-D ultrasound technology NC State is the only university in the nation leading two National Science Foundation Engineering Research Centers

One of them is creating self-powered devices to help people monitor their own health



NC State's College of **Textiles** created PyroMan, a life-size model that helps textile engineers determine which materials best protect firefighters, industrial workers and soldiers from intense heat and flames



Grayson Clamp, through a research trial at UNC Hospitals, became the first child in the U.S. to receive an auditory brain stem implant, allowing him to hear for the first time

IUNC

Stirrup Creek ReConnecting ReDevelo Relmagining Kit Creek

General Development Area

Guided Development Area Floodplain





A new Master Plan for the Research Triangle Park was completed in 2012

The key principles of the Plan will allow RTP to remain a world-class location to conduct research

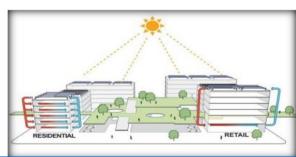
More Density More Nature



Sustainability



21st Century Amenities





OPPORT

RTP has gathered public input on the Master Plan through its official launch, the Pathways to **Opportunity Bus** Tour across NC, and the RTP Town Hall for Park employees

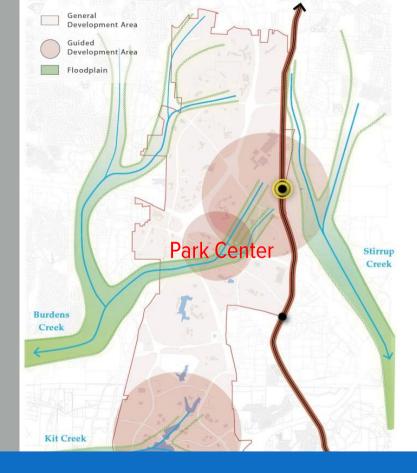


Master Plan Process

3 Locations for Mixed-Use Development Identified

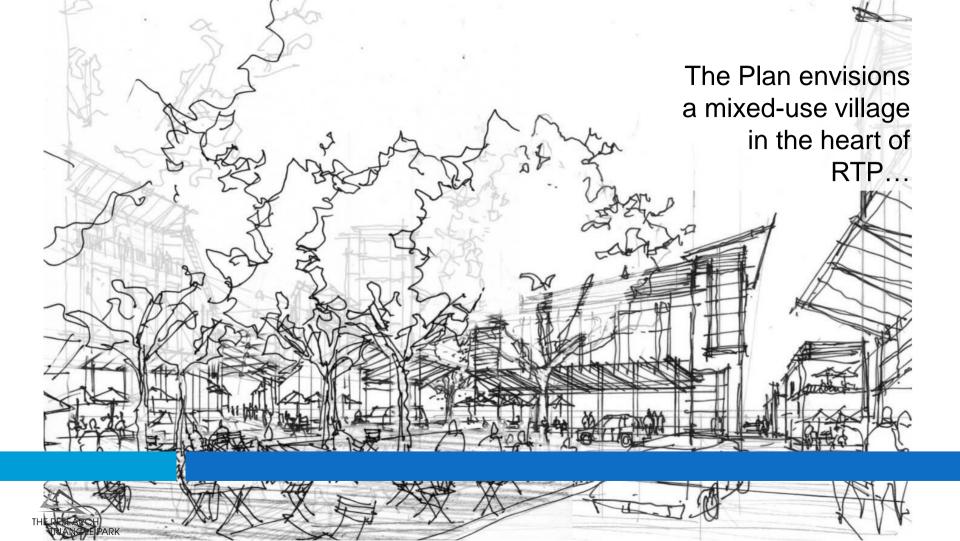
Park Center is the ideal location to begin.

RTF purchased the Park Center property in January 2014.



















Park Center will feature many types of public gathering spaces in a compact, walkable area... as well as retail, residential and office...





...anchored by an iconic facility that will serve as a magnet for our founding universities, innovators and entrepreneurs.

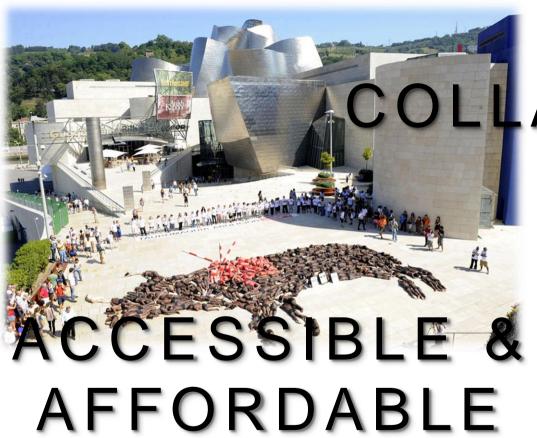
THE RESEARCH TRIANGLE PARK

INSPIRING

TRIANGLE PARK

Relmagining RTP requires a development that will be...

AUTHEN



COLLABORATIVE









This is the time, the place, for big ideas

RTP Park Center





Park Center Master Plan Design Team

- Development partnership with Hines
- Team of national designers and local consultants
- Unveiled detailed development plans in September 2014
- First phase construction over the next 3-5 years



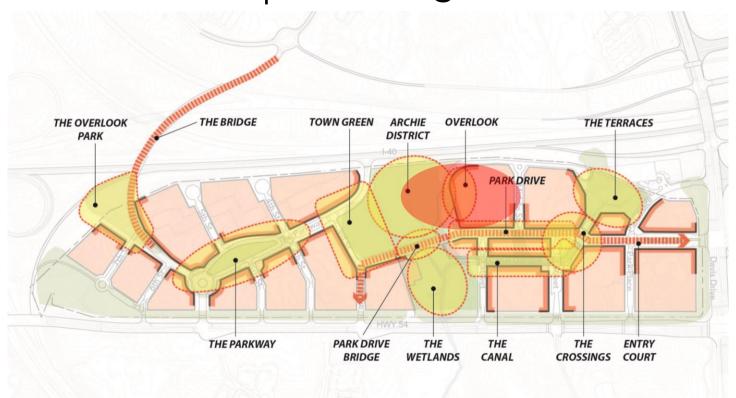


Park Center Master Plan





Places | People | Programs





Places | People | Programs





Initial Development Program

Retail: 250,000 sqft Sufficient to create a critical mass Focus on dining and entertainment

Hotel: at least one full-service with Shared conference facilities

Residential: 300 units to start with over 1,000 units at buildout Apartments and other multifamily

Office/Research: 750,000 sq ft A range of product types









Places | People | Programs





Through The Trees





The Crossroads





The View from Above





But what does this mean for me?





Q: What do you feel in dollars/cents new projects coming to the Triangle might be and a timeframe?

A: Over the next 3-5 years, at the Park Center project alone, we anticipate there will be approximately:

\$15-20 million in site work and road construction
\$175-225 million in mid-rise commercial office buildings
\$20-25 million in institutional uses
\$50-65 million in retail shops and restaurants
\$70-75 million in wood frame apartment buildings
And, \$45-75 million in limited and full service hotel offerings

That's a total of \$375-485 million of construction dollars that will be spent in the 1st phase of Park Center alone.



Q: Is there anything contractors need to prepare for to be able to bid upcoming work (LEED requirements, BIM technology... ext)?

A:

- Exceeding current environmental sustainability and energy efficiency standards will be required.
- BIM technology and other means of technology-assisted modeling or planning will be utilized by our contractor partners and service providers.
- We are designing for a high-performance user and, accordingly, our buildings will need to be high-performance buildings.
- RTP has a strong desire to use local talent and to make our project easily accessible to minority and disadvantaged businesses.
- As far as what can you do as a AGC member? If you are aware of new technologies that we should consider, then please bring them to our attention. We want to hear from you!



Additional Questions...?

We're building a vibrant community that brings bold ideas to life.

RTP PARK CENTER Learn more @TheRTP & www.rtp.org THE RESEARCH TRIANGLE PARK

Mason Ailstock Ailstock@RTP.org @MasonAilstock @TheRTP www.RTP.org

