

8 Teams 2 Days 1 Champion



ELIMINATION GAMES ON MAY 10

FINALS ON MAY 11

GAMES START AT NOON AT THE FIELDS
BEHIND DIX STADIUM ON THE CAMPUS
OF KENT STATE UNIVERSITY

ALSO FEATURING THE OHIO SENIOR WOMEN'S STATE CHAMPIONSHIP
GAME ON MAY 10

**sp4rts
ohio**
akron/canton/kent/medina

The Ohio Rugby Union is the
premier organization for high
school, college, and club level
rugby teams in the state. Find
out more about this growing
sport at:
www.ohiorugbyunion.org

OHIO HIGH SCHOOL
WOMEN'S
rugby
STATE CHAMPIONSHIP

*CONCESSIONS

*NATIONAL RUGBY VENDORS

*IN ASSOCIATION WITH KENT STATE UNIVERSITY AND THE CITY OF KENT

OHIO HIGH SCHOOL

WOMEN'S

rugby

STATE CHAMPIONSHIP

**May 10th and 11th
Games start at 12 p.m.
Kent State University Fields
behind Dix Stadium**

**BE THERE WHEN
THE STATE'S BEST
HIGH SCHOOL WOMEN'S
RUGBY TEAMS GO
HEAD-TO-HEAD TO
DETERMINE OHIO'S
CHAMPION.**

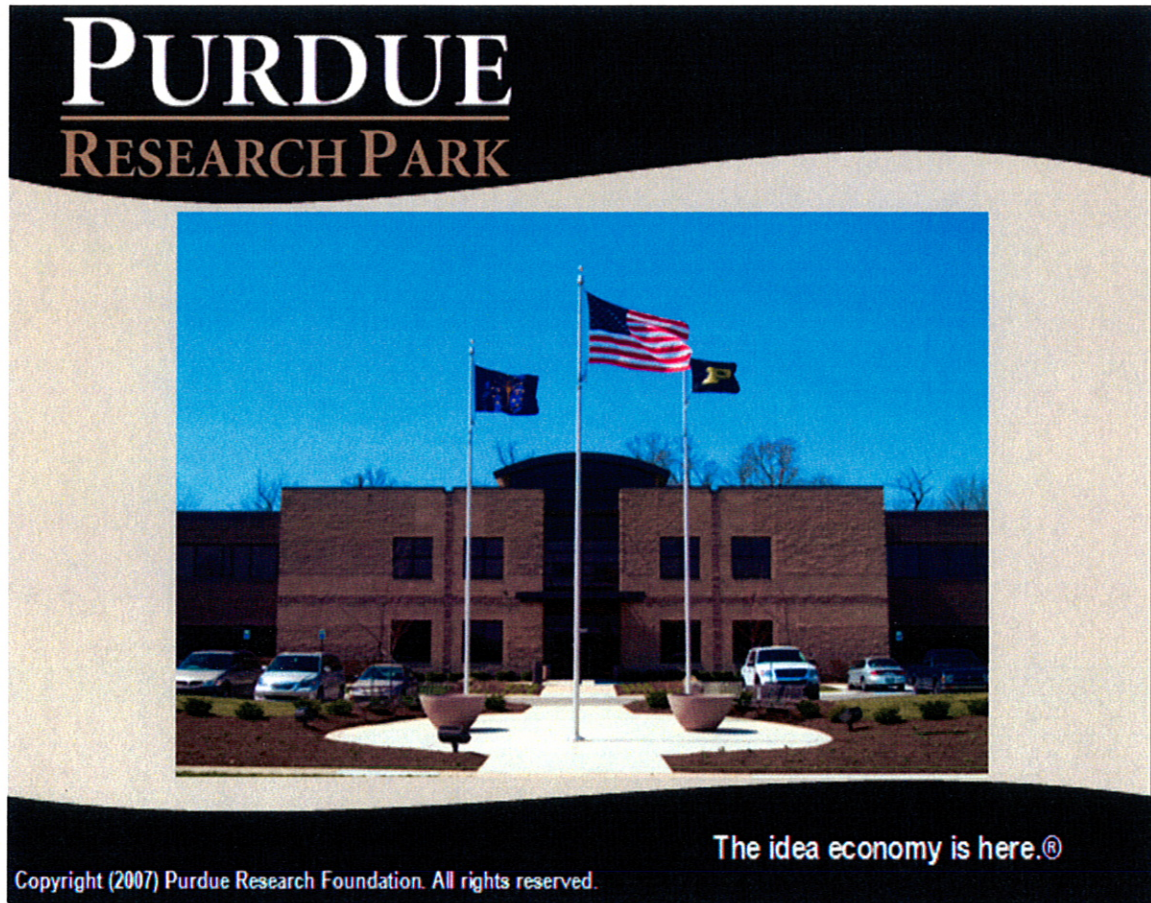
**RUGBY
OHIO**

**sp4rts
ohio**
akron/canton/kent/medina

8 Teams, 2 Days, 1 Champion

Tech Transfer in Action

Team Kent Visits West Lafayette, Purdue University



Dan Smith, Economic Development Director

At the spring Bowman Breakfast, Record Courier Publisher David Dix gave an impassioned call for town & gown relationships to be strengthened. City and University officials have accepted the challenge and began to explore options and projects that would strengthen our community, especially with regards to economic development, technology transfer and the creation of new jobs and tax revenues.

One such project that has been on the table for several years is the Business Technology Entrepreneur Center and Park (B-TEC). Kent has helped numerous small businesses get their start through the efforts of the Small Business Development Center (SBDC) operated by the Kent Regional Business Alliance as well as several City incentive programs (revolving loan funds, tax abatements and our façade program) and support from Kent State University. A few of the businesses that have been started or assisted with consulting provided by the

SBDC include: Alpha Micron, the Backeri, Leander's Barbershop, Poly Display, Liquid Learning, Antifreeze, RocketCalc, Christian Edwards Beauty Salon, Avrow, Ailes Millwork, Link Connection, Brand Logo, Portage Medical, Box Card Gifts, and Mugzee's Wings.

To build upon our previous successes, the concept of creating a discovery park anchored with a business technology entrepreneur development incubator on a 23 acre site is under development. In researching various incubator/tech transfer models, we learned of a similar, extremely successful, facility in West Lafayette, Indiana at Purdue University. One of five in the nation, it is now considered to be the largest university-affiliated incubation program in the US at 259,000 SF.

The Purdue Research Park boasts the following statistics:

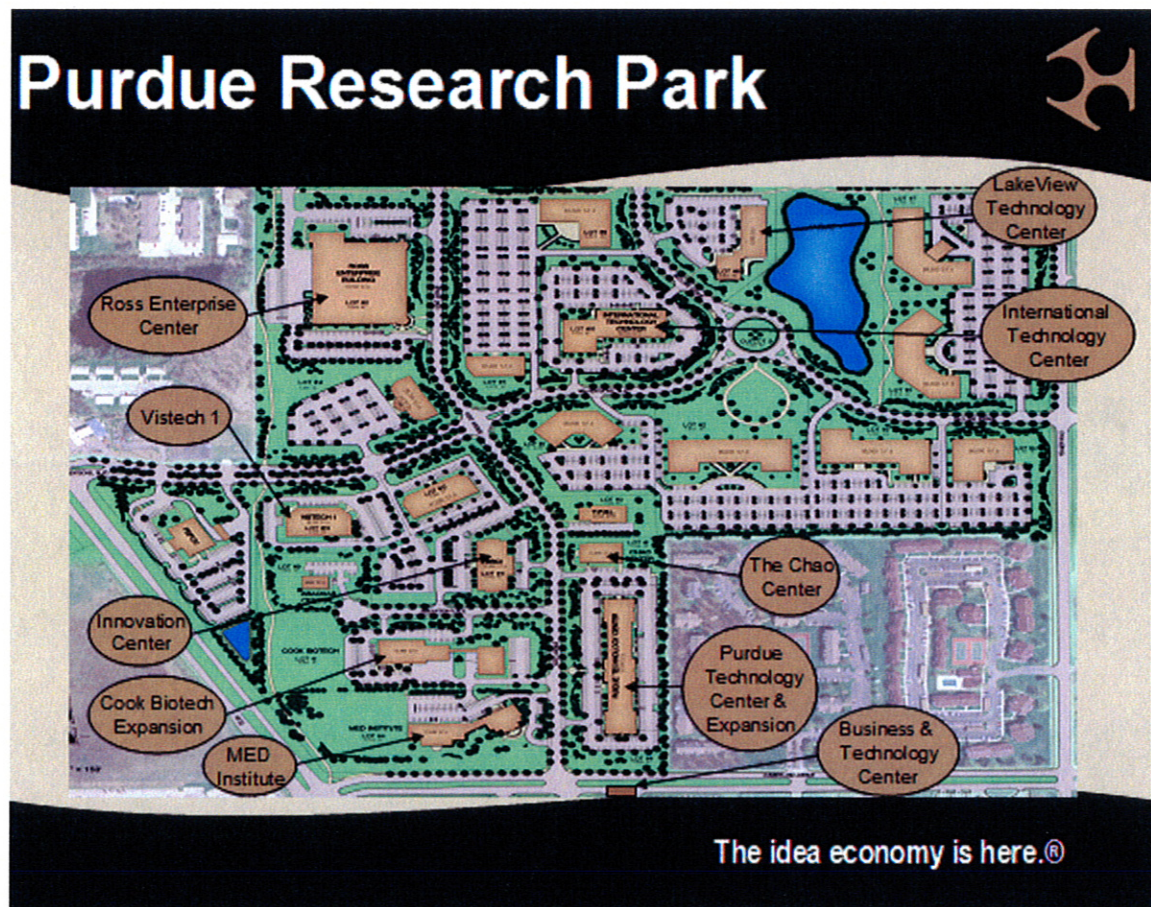
- 725 Acres, 52 separate buildings, 1.5 million SF under roof
- 151 companies, 57 incubator companies
- Over 3,000 employees at an average wage of \$54,000
- Nearly 100 High Tech Firms and Entities
- \$121 M of Invested Venture Capital
- Their third incubator is coming on-line and there is now a waiting list for space in the incubator.



Hearing of the Purdue Technology Park's impressive achievements, we assembled "Team Kent" for a visit to research their facilities and best practices. The City/University team included: Mayor John Fender, Dr. Pat Book, KSU VP Regional Development; Kent City Councilman Robin Turner; College of Business Dean George Stevens; Jack Crews, CEO Kent Regional Business Alliance; Janet Newcomer- KSU Director of Institutional Advancement College of Business

and Dan Smith, Kent Economic Development Director. A two day exploratory visit was completed on May 1.

We noted several contributing factors to the success of the Purdue Research/Discovery Park including : bold vision and dynamic leadership; strong public University and City engagement; partnerships based on trust, inclusion and transparency; integration of effort; external fund-raising- federal and private; city support through innovative economic development policy. Their efforts started modestly with one smaller incubation building... but quickly blossomed into an incredible center (725 acre park) for innovation. The center supports firms commercializing Purdue-patented technologies joined by entrepreneurial ventures interested in forming strong ties to Purdue- one of the requirements for tenancy within the incubator.



Our team's take-aways from this visit were that we have all the basic elements of this success story. We have a large research university with areas of basic and applied research strength in high-tech areas including liquid crystal physics, biosciences, health sciences (multiple sclerosis, trauma), manufacturing and applied technology; we have a well developed technology transfer and research commercialization capability at the university and a track record of successful licensing of university spin-off technology. We also have an AACSB accredited

College of Business with a Center for Entrepreneurship and Business Innovation. In addition, entrepreneurs can utilize the Small Business Development Center/Kent Regional Business Alliance and university-based technical assistance. We have many community and City assets that are attractive to the knowledge worker.

We strongly believe strengthening our relationships and resolve will pay tremendous dividends in the very near future. While our Kent Atlantic and Great Western Technology Park is a proposal on a much more modest level than the Purdue venture, it is a great first-step with tremendous potential to capture technology and new industries as we transform Kent and take advantage of the emerging knowledge economy. We have submitted an application to participate in the State of Ohio Job Ready Site (JRS) program as well as several local foundations. If similar results to the Purdue facility can be achieved, the Atlantic and Great Western Discovery Park will serve as a great catalyst for innovation, new businesses, jobs, and tax base that will enhance the quality of life of Kent residents and the greater N.E. Ohio region.

Best Regards,

Daniel D. Smith, Economic Development Director
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(330) 676-7582
smithd@kent-ohio.org

PURDUE RESEARCH PARK

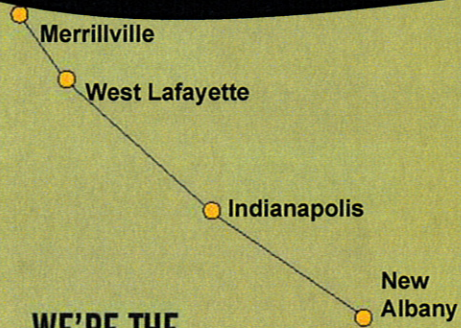


The idea economy is here.®

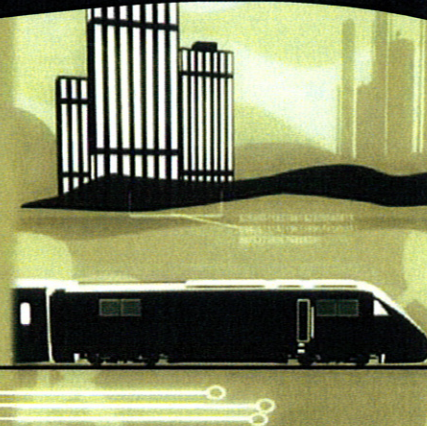
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PURDUE RESEARCH PARK

The Art of
High-Tech
Business
Acceleration



WE'RE THE
INNOVATION TRAIN.
bringing high-skill jobs to your city.



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Advancing Purdue's Mission



- Faculty
 - Entrepreneurship
 - Consulting
 - Recruiting
- Students
 - Employment
 - Retention
- Commercialization
 - Discovery to Market
 - Partnerships
- Economic Progress



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PU Strategic Plan:

- Discovery (Research)
- Learning (Teaching)
- Engagement (Service or out reach)
- Purdue faculty actively help companies to further refine their product.
- PRP works with Purdue to make new discoveries
- More than a 100 students are employed in the Park

Purdue Research Park Impact



- 2004 Outstanding Science Research Park (AURP)
- 2005 Outstanding Commercialization Award (AURP)
- Ranked 7th on "Indiana's 25 Keepers: Keeping Good Company" list (2005)
- Largest Technology Incubation Program in U.S. at 259,000 S.F.
- Indiana's 1st Certified Technology Park
- 147 Companies
- 57 Incubator Businesses
- Nearly 100 High Tech Firms and Entities
- 2,800 Employees
- \$58,406 Average Wage PTC
- \$121 M of Invested Venture Capital
- 52 Separate Facilities
- 1.5 M+ S.F. Under Roof and 725 acres

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Indy Men's Magazine: June 2005

•Last year, we celebrated the people that you, we, and our partners at Indy Men's Magazine determined we'd miss the most if they left our state. This year, we turned to the businesses, companies and institutions that we need to stay put.

•We received more than 4,000 votes from people across the state and you told us which organizations whose absence from the Hoosier landscape would do us the most harm.

•The organizations that did make the list are a testament to what we've been, what we are, and what we can be. These organizations deliver economic, cultural, educational and scientific benefits to our state.

Indiana's 25 Keepers: Keeping Good Company

1. Eli Lilly and Company

It's been said that when the pharmaceutical giant sneezes, the entire state catches a cold. This global Fortune 500 Company will always exist on some level for anyone who calls himself a Hoosier.

2. Lilly Endowment

If Eli Lilly and Company is the heart of the Hoosier economy, then the Lilly Endowment, founded in 1937, is its soul. Last year, the Lilly Endowment contributed \$285 million to Indiana projects.

3. Indianapolis Motor Speedway

Next time you find an Indiana state quarter in your pocket, flip it over to the tails side and notice what take up half the circle: a racecar. The IMS pumps over \$725 million into our economy each year.

4. National Collegiate Athletic Association

Sure, the NCAA is important in that it helps protect and make a difference in the lives of student-athletes. But to those of us in the Hoosier state, the NCAA is extremely influential.

5. WellPoint

This healthcare benefits giant is one of six Fortune 500 companies to call Indiana home. A recent mega-merger skyrocketed the group into the nation's leading health benefits company.

6. Indiana Convention Center & RCA Dome

Over the next 10 years, the new Colts stadium and Convention Center expansion will pump \$2.25 billion into the local economy, create over 4,000 permanent jobs and leave us with a world class facility.

7. Purdue Research Park

The "idea economy" is truly here. Last year, Purdue Research Park was named the best research park in the nation. Think of this West Lafayette facility as a center for brain gain.

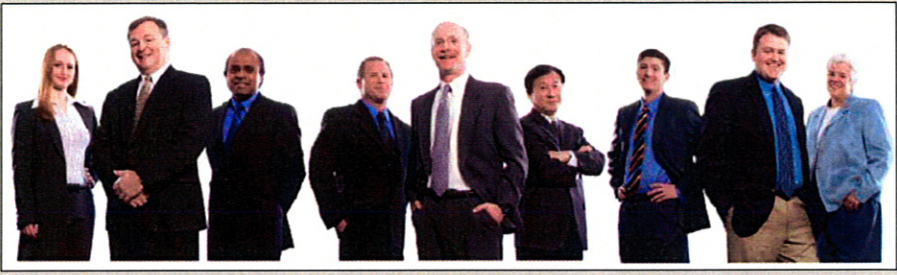
8. Crane Naval Surface Warfare Center

Southern Indiana's largest employer recently dodged the bullet in the most recent round of base realignments and closures. It could have lost more than 4000 jobs.

9. Indiana Pacers

Indiana claims basketball at its adopted sport. It also asserts its capital city as a world-class sports town. The Indiana Pacers are the key to both claims.

Incubation: It's not about the building



"It's not about the bike." - *Lance Armstrong*

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Incubation is not about the building. It starts with the idea and succeeds with the implementation of proven methods.

Up in West Lafayette we have about 40 faculty-entrepreneurs...but the park is a mixture of faculty, business people, companies commercializing Purdue technologies and companies trying to bring their own inventions to the marketplace.

Purdue Professor Joe Pekny started Advanced Process Combinatorics – APC -- to provide advanced planning and scheduling technology. This technology helped get back online Proctor & Gamble Co.'s massive coffee manufacturing facility in New Orleans in the wake of the Hurricane Katrina

Eric Davis has a law degree...but he's not a academic. He founded Arxan Technologies to providing IT solutions to government agencies and defense corporations as well as commercial clients, such as software vendors and smart manufacturing equipment vendors who want protection against tampering, reverse engineering, code lifting and other forms of abuse. His technology does come from Purdue.

Lance Armstrong has said that it's not about the bike...and it's become clear to those involved with business incubation that it's not about the building.

It also takes services and programs that create an environment conducive to entrepreneurship – namely the Purdue Gateways Program, which takes emerging companies on a journey through market research, business plans, investment opportunities, the best way to build a management team, and other strategies.

Professional Services



PRP Job Fair

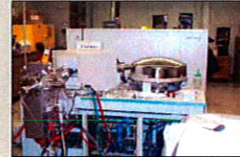
High-Speed Internet & Purdue Connections



Specialized Laboratory Facilities



Professional Conference Facilities & Management with 2-Way Video



Purdue Equipment Access

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Professional Services



- Media Relations / Marketing
- Human Resources / Employment Assistance
- Flexible Space and Leases
- Gateways Program
- Conference & Gathering Areas
- Professional Conference Management
- Networking Opportunities
- Two-Way Video
- High-speed Internet & Wireless
- University Connections
- Pre-Seed Investments
- Business Plan Competition
- Access to Purdue Faculty
- Purdue Equipment & Facilities
- Technical Assistance Program
- Top Quality Business Equipment
- Reception and Admin Support
- Fiber Connection to Purdue University
- Fortune 500 Atmosphere
- Job Placements / Job Fair
- Community Vendor Access
- SBDC/IEDC Services
- Governmental Relations
- Industry Cluster Management
- Mail & Shipping
- Security

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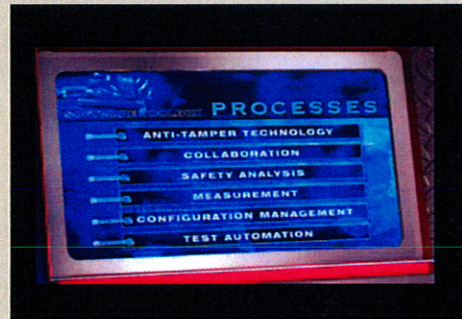
Professional Services

- Offer 6 month leases
- Ability to be flexible
- Number of Conference Rooms located in PTC Bldg.
- 2004 we had 1,006 meetings in the PTC Bldg./Party In the park/Workshops
- We host the Burton D. Morgan:
 - Logistics
 - Sponsor
 - Give office space for 1 year to the winner
- Pre-seed Capitol
- TRASK fund
- Number of specialized facilities will allow clients to rent the space and help to facilitate the equipment
- PU Assistants at Federal and State Levels
- Life Science Research Council
- Key Fobe Access, Sign-in desk

Media Relations & Marketing



- News release writing and distribution
- Photo and video production
- Television/radio placements
- Brochure design
- Trade show/event exhibit design



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Media Relations & Marketing

- Most clients are highly technical but have to no experience in the Marketing themselves

Purdue Research Park

"In the News"



BUSINESS **C6**

BUSINESS **C6**

'Entrepreneurial spirit' paying dividends for Purdue researchers

Founder officials say impact on marketplace reached new heights

By Tech Industry



NEW YORK

...the entrepreneurial spirit of Purdue researchers is paying dividends in the marketplace, according to a report released last week by the National Science Foundation. The report, titled 'Purdue University: A Model for Entrepreneurship', highlights the university's success in commercializing its research and creating new businesses. It notes that Purdue has a long history of entrepreneurship, dating back to the late 19th century when the university's first patent was granted for a new type of lamp. Today, Purdue is a leader in the field, with over 100 patents granted to its researchers and more than 100 spin-off companies created. The report also points out that Purdue's success is due to its strong ties to industry and its focus on practical research. It concludes that Purdue's entrepreneurial spirit is a key factor in its success and that other universities should emulate its model.

BUSINESS **B6**

En'Urga has shown big growth in 8 years

New diagnostic tools for respiratory tract



En'Urga Inc.

...En'Urga Inc. has shown significant growth in the past eight years, according to a report released last week by the National Science Foundation. The report, titled 'En'Urga: A Model for Entrepreneurship', highlights the company's success in commercializing its research and creating new businesses. It notes that En'Urga has a long history of entrepreneurship, dating back to the late 19th century when the company's first patent was granted for a new type of lamp. Today, En'Urga is a leader in the field, with over 100 patents granted to its researchers and more than 100 spin-off companies created. The report also points out that En'Urga's success is due to its strong ties to industry and its focus on practical research. It concludes that En'Urga's entrepreneurial spirit is a key factor in its success and that other companies should emulate its model.

TUESD@Y

A monthly look at Greater Lafayette's research and high-tech industry

About Tech Tuesd@y

Established in 1981, the Purdue Research Park is home to more than 50 high-tech and research-driven businesses. In an effort to make the public more aware of work taking place in the research park and among other high-tech firms in Greater Lafayette, the Journal and Courier features one company on the second Tuesday of each month.

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In the News

- We are developing a high tech community
- This was a grass roots effort

Human Resources/Employment

- Counsel on standard HR practice
- Recruitment assistance
 - Technical Assistance Program (TAP)
 - Interns for Indiana
 - Center for Career Opportunity
 - Cooperative Education Program
 - Job Fairs
 - Dual Career Assistance Program

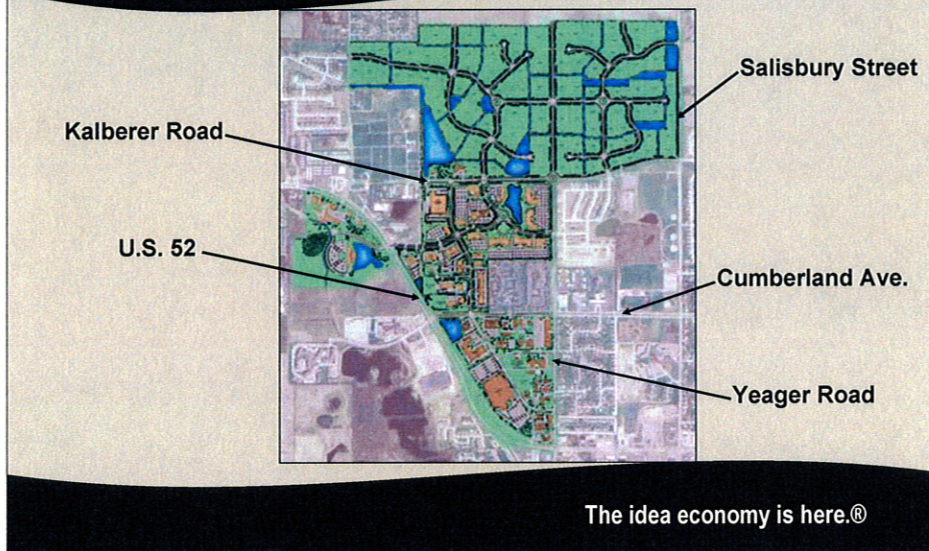
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HR/Employment

- Often find PHD's in pairs
- We assist in finding the other a job in the community

Purdue Research Park

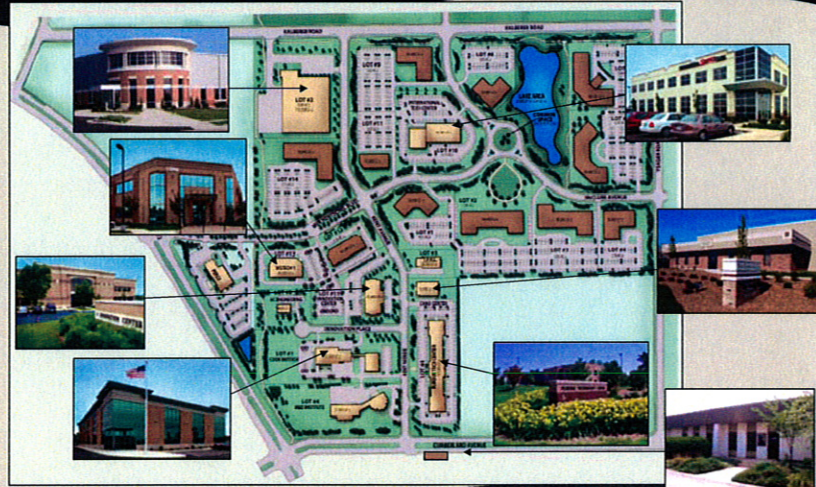
725 Acres Total



Purdue Research Park

- 1950's was the first certified Research Park
- 1961 first Research Park began development
- 1-4 in the 60's we were on of those 4
- In Mid 90's PRP focused only on High-Tech
- Phase 2: 2M Under Roof
- Phase 3: 4M Under Roof
- Could be 6M
- 1st 30 years of the Research Park development was not closely managed

Purdue Research Park



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Purdue Research Park

- Tan colored items represent existing locations
- Darker tan represents future locations
- Lake Serves as retention area
- Partnership with West Lafayette
 - Build Infrastructure
 - Road
 - Sewer
 - Lake
 - Trail System

Purdue Research Park

Master Plan Phase 3



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Purdue Research Park

Master Plan Phase 4



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Expanding the Vision

Purdue Technology Center of Northwest Indiana



- Opened December 2004
- 48,000 S.F. of Office and Laboratory Space

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- As part of Purdue University's strategic plan seeking excellence in the areas of discovery, learning and engagement, construction is set to begin on the university's first satellite business incubator - the Purdue Technology Center of Northwest Indiana
- The Purdue Research Foundation, set aside 40 acres of the 400 acres originally owned by the foundation for the technology center and other potential Purdue-related facilities.
- The property is west of I-65, near Merrillville, Ind. Construction of the 48,000 sqft
- The facility is the result of Purdue's vision and many Indiana communities' desire to expand the university's high-tech entrepreneurship acceleration services
- Combined with Congressman Pete Visclosky's (D-Ind.) efforts to secure federal funding for the facility's construction and initial operating costs
- Eligible tenants are companies that plan to develop technologies, possibly in the life sciences, information technology or advanced manufacturing fields.
- The Purdue Technology Center of Northwest Indiana will have many of the same features and [amenities](#) as the building it is modeled after in the Purdue Research Park, which is just north of the university's West Lafayette campus.
- The facility, designed by the CSO architectural firm of Indianapolis

PTC NWI Impact



- \$52,000 Average Wage PTC NWI
- 19 Companies
- 13 Technology Based Companies
- 4 Non-Technology Based
- 2 Affiliate Client Companies
- AmeriPlex at the Crossroads is a Certified Technology Park:
 - 386 Acres
 - 179,000 S.F. Current Total
 - Purdue Technology Center of Northwest Indiana – 48,000 S.F.
 - Purdue Calumet Academic Learning Center – 48,000 S.F.
 - E-Law, LLC Office Building – 20,000 S.F.
 - Pinnacle Healthcare Hospital – 63,000 S.F.
 - Design Phase
 - STK Members Medical Office Building – 60,000 S.F.
 - The David E. Ross Building (flex Space) – 60,000 S.F.



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Indiana's 1st Certified Technology Park



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Indiana's First Certified Technology Park

- To qualify for this PRF had to show evidence of companies staying and growing IN economics
- The Purdue Research Park, Indiana's first Certified Technology Park
- In the past two years, the park has launched 23 technology startup companies
- The more than 100 companies in the Park
- Employ more than 2,500 people

We're Happening in Indiana



➤ Indiana is home to 18

Certified Technology Parks:

- West Lafayette
- Indianapolis (2)
- Hammond
- Fort Wayne
- Kokomo
- Anderson
- Muncie
- Richmond
- Merrillville
- Terre Haute
- Shelbyville
- Bloomington
- Washington
- Columbus
- Scottsburg
- Jeffersonville
- Evansville



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Purdue Research Park Impact in Indiana



Purdue Research Park
of West Lafayette



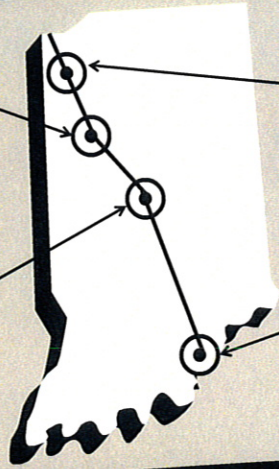
Purdue Technology Center
of North West Indiana



Purdue Technology Center
of Indianapolis



Purdue Technology Center
of South East Indiana



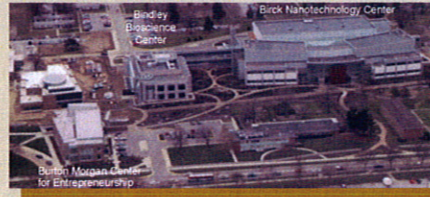
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Discovery Park



➤ Discovery Park houses ten centers of innovation:

- Burton D. Morgan Center for Entrepreneurship
- Center for Advanced Manufacturing
- Bindley Bioscience Center
- Birck Nanotechnology Center
- Center for the Environment
- Cyber Center
- Discovery Learning Center
- E-Enterprise Center
- Oncological Sciences Center
- Energy Center



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Honors, Awards & Accomplishments



- Excellence in Technology Transfer Award
(*Association of University Research Parks, 2005*)
- 7th place in Indiana's 25 Keepers (2005)
- CoreNet Global Innovators Award *finalist* (2005)
- Outstanding Science/Research Park Award (AURP, 2004)
- MIRA Award: Professional Service Provider category (Techpoint, 2003)
- Nation's top business acceleration program (University Business, 2003)
- Best industry practices recognition in "Bricks and Mortar"
(National Business Incubation Association, 2000)
- Largest university technology incubation program in the U.S.
(National Business Incubation Association, 1999)



ASSOCIATION OF
UNIVERSITY
RESEARCH
PARKS

Creating Communities of Innovation

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Affiliations



➤ Affiliations

- Association of University Research Parks (AURP)
- International Association of Science Parks (IASP)
- Indiana Economic Development Corporation (IEDC)
- Indiana Business Incubator Society (IBIS)
- National Business Incubation Association (NBIA)



Creating Communities of Innovation



The Power of Knowledge and Leadership



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Purdue Research Park



The idea economy is here.®



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