



# ***Mobilizing for Regional Innovation:***

## **Introducing the Labs for Industry Futures and Transformation (LIFT) Network**



**SOUTH BEND | ELKHART**  
REGIONAL PARTNERSHIP





# Overview

- LIFT Overview & Purpose
- LIFT & the SBERP Regional Development Strategy
- LIFT Network Applied Learning and Innovation Facilities
- iNDustry Labs
- Q&A



SOUTH BEND | ELKHART  
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# LIFT Network



UNIVERSITY OF  
NOTRE DAME

## *Initial Collaborators:*



SOUTH BEND | ELKHART  
REGIONAL PARTNERSHIP



UNIVERSITY OF  
NOTRE DAME



IVY TECH  
COMMUNITY COLLEGE



ELKHART  
COMMUNITY SCHOOLS



COMMUNITY  
FOUNDATION  
OF ST. JOSEPH COUNTY

PURDUE  
POLYTECHNIC

SOUTH BEND



MARSHALL COUNTY  
COMMUNITY  
FOUNDATION

COMMUNITY  
FOUNDATION  
OF  
ELKHART COUNTY



## Mobilizing for Regional Innovation

Announcing the South Bend - Elkhart Region's Labs  
for Industry Futures and Transformation (LIFT)  
Network & iNdustry Labs.

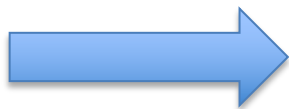
[Watch the Announcement](#)

[Press Release](#)

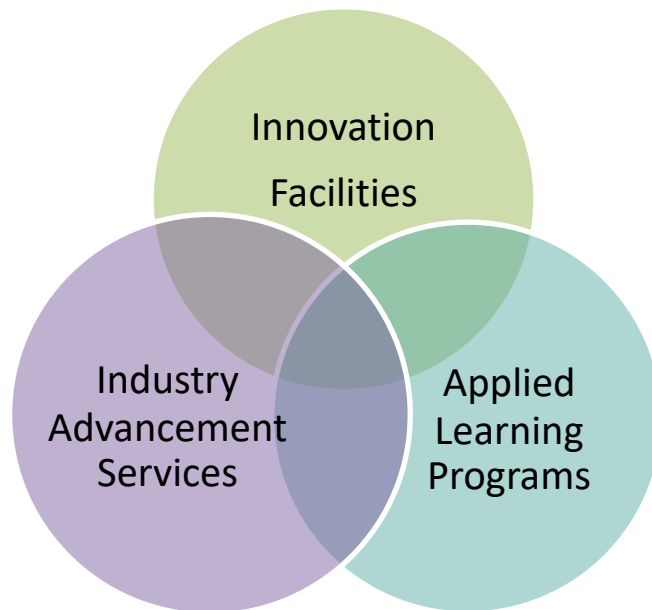
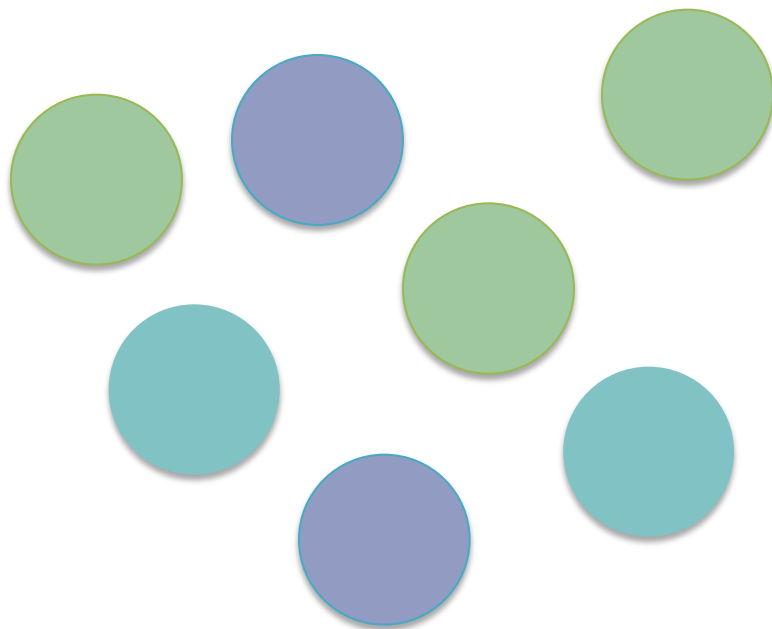
Made possible through the generous support of the Lilly Endowment.

# ALIGNING THE REGION

Strong Regional Assets  
w/o Formal Links



Common Platform to Formally Align  
Regional Assets For Maximum  
Benefit

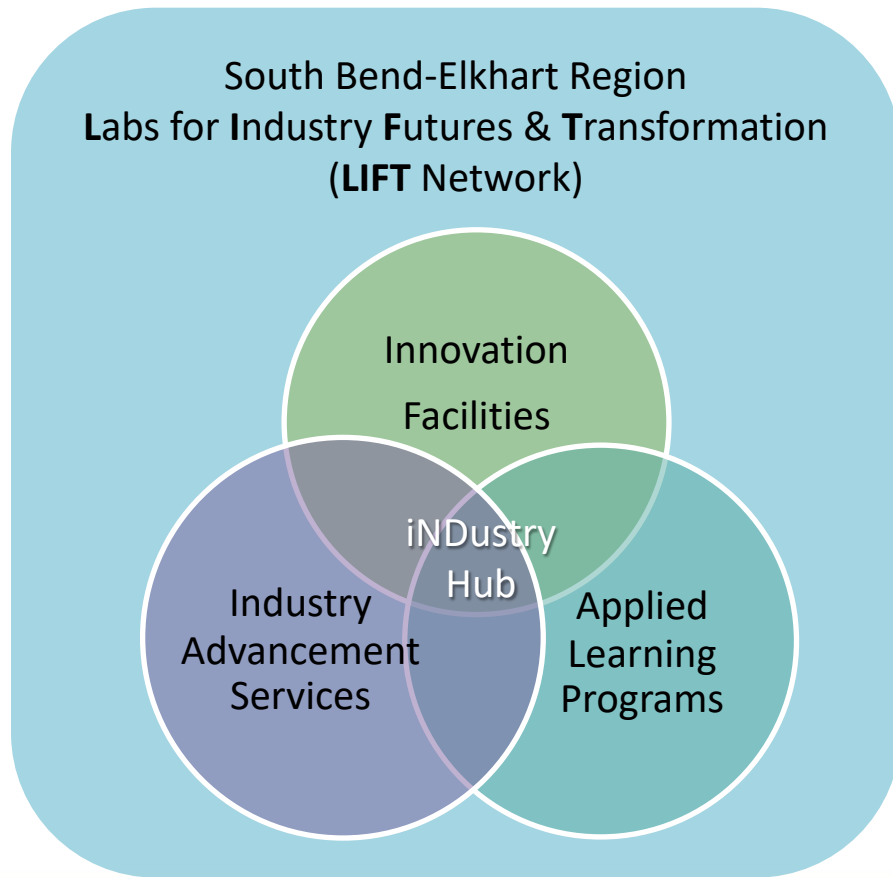






# LIFT Network

- \$42M Lilly Endowment Grant
- 2019-2024 Term
- \$20M in State of the Art Facilities & Equipment
- \$14M in Applied Learning, Apprenticeship and Fellowship Programs
- \$2.5M Catalyst Fund for Emerging Opportunities
- Project activities led by SBERP, enFocus Fellows, and UND Faculty with iNDustry Labs Personnel





# LIFT NETWORK PRINCIPLES

- Region-First
- Transparency & Integrity
- Openness to new ideas
- Presumption of good will and mutual benefit
- Excellence





TODAY

iNdustry Advancement Services

5 Years



Regional  
Legacy  
Industries

Applied R&D

Business Optimization

Tech Commercialization

Experiential Learning

Global Network



Smart  
Manufacturing

- Advanced robotics
- Production line optimization analytics
- Rapid prototyping and flex Mfg
- Adv. Materials
- Add'tive Mfg



New & Emerging  
Sectors

- AI & Data Analytics
- Cyber-Sec
- Defense & Aerospace
- Health Tech
- Next Gen Mobility & Logistics



THE WALL STREET JOURNAL.

April 6, 2018

Lexington Ave



NEW LIFE  
COMMUNITY CHURCH

Quick DINERO

## The Future of America's Economy Looks a Lot Like Elkhart, Indiana

The capital of RV manufacturing, which once had the worst unemployment rate in the U.S., is now facing labor shortages and rising home prices and wages



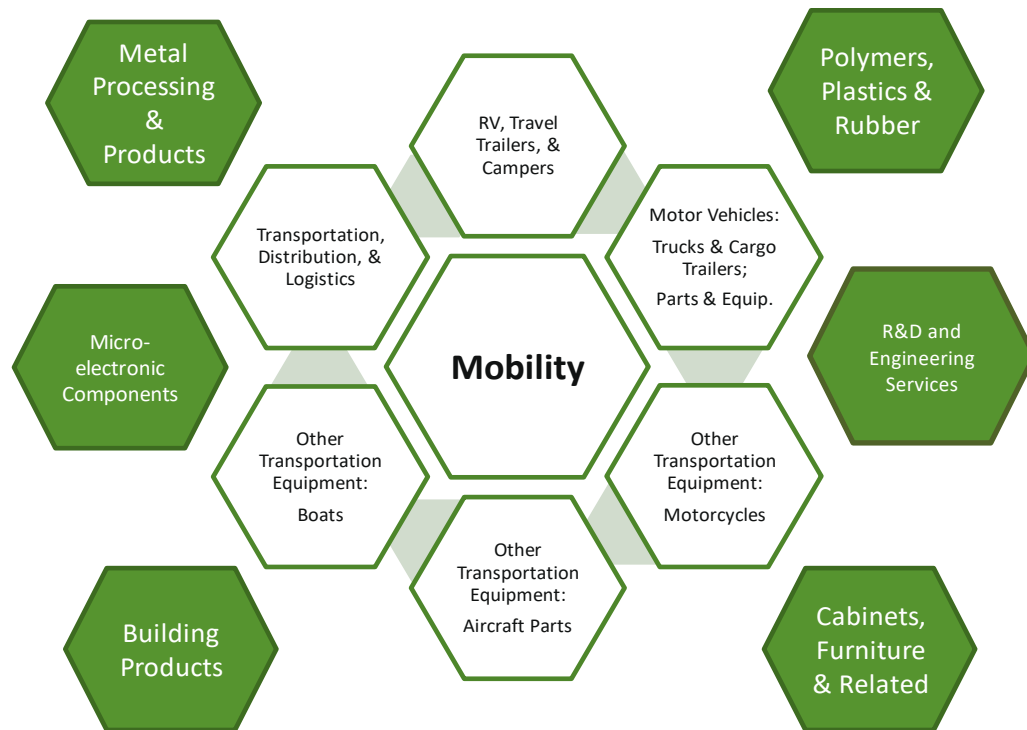


- Innovative Public Partners
- Regional Cities Initiative /  
Emergent Regional Identity
- Growth of the University's Community Engagement,  
Commercialization and Research Activities

# The “Mobility” Sector

## South Bend-Elkhart Region:

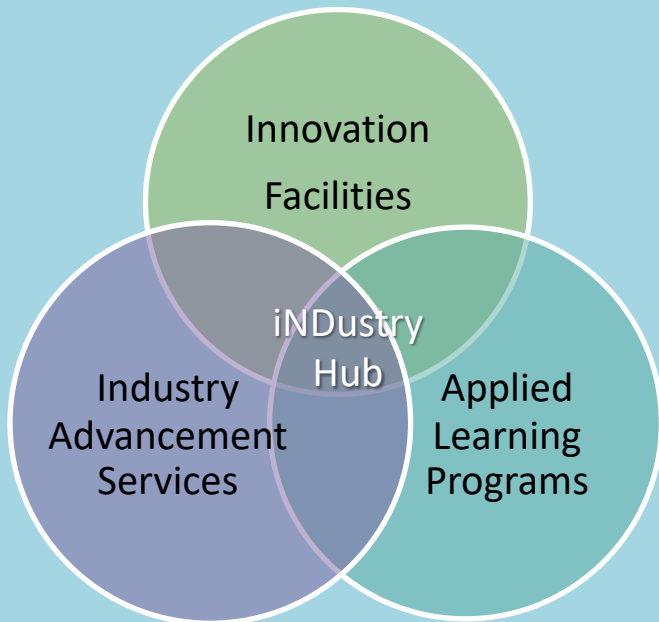
- 36% of Workforce in Manufacturing
- Mobility Meta-Sector: 2,100 companies / 89,000 employees
- 2010-2016: Regional employment outpaced national growth (19% vs 13%):





# LIFT Network

## South Bend-Elkhart Region Labs for Industry Futures & Transformation (LIFT Network)



1. Prosperity

2. Resiliency

3. Skilled

## SBERP's Strategic Plan





# APPLIED LEARNING



- Advanced Student Capstone Projects



- Regional Industry Internships



enFocus Fellowships



- K-12 Experiential Prgms
- Industry Apprenticeships
- Incumbent Workforce Skills Advancement





Ivy Tech Community  
College iFlex Lab



Elkhart Area Career Center  
(EACC) Engineering, Technology  
and Information Career Center



Purdue Polytechnical Institute  
Tech Training & Demo Center



# INNOVATION FACILITIES



Community Education Center  
St. Joseph County Public Library &  
Community Foundation of St. Joseph  
County



South Bend Elkhart Technology Resource Center



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# INNOV FACs: iNDustry Labs



**Advanced Analytics  
& Technology Lab**



**Engineering  
Innovation Hub**



**Health Tech  
Innovation Lab**



**ND Research Core  
Facilities**



**IDEA Center  
Innovation Services**



**Industry Advancement  
Services**



**CapstoneND**



# INNOV FACs: iNDustry Labs

## Engineering Innovation Hub

- Phase 1: ~ 10,000 sf / Summer 2020
- State-of the-art equipment and expertise to further educational and regional industry advancement
- Advanced Equipment to include, e.g.
  - 5-axis CNC Turning Centers
  - Ceramics 3D Printer
  - Advanced Metal 3D Printer
  - Water jet and laser cutters
- Part of a broader “maker” ecosystem with Center for Materials Fabrication and Nanotechnology, West Lake Industrial Design Studio, etc







# TIMELINE

## Y1: 2019-20

- Establish and Pilot the Industry Diagnostic Tool
- Regional Asset Mapping
- LIFT Foundation
- Evaluation/Metric
- Piloted Programs
- Innovation Facility Construction
- Industry Relevant Workshops

## Y2: 2020-21

- Scale Industry Advancement Services (ENIR) team and industry engagements
- Implement Capstone and internship platforms
- Lecture/Workshop Curriculum
- Launch Catalyst Grant

## Y3: 2021-24

- Commercializing technology from early ENIR engagements
- Tailoring approach based on industry results
- Innovation Facilities opening
- Launch Health Tech Lab (iNdustry Labs)
- Sourcing additional funds for best practice programs



# Thank You



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