RESEARCH AND DEVELOPMENT IN WISCONSIN
MISSION

“
To advance and maximize opportunities in Wisconsin for businesses, communities and people to thrive in a globally competitive environment.

”
STATEGIC PARTNERS
More than 600 local economic development partners
2018

WISCONSIN GDP

$337 BILLION

- Finance, insurance, real estate: $67B (20%)
- Manufacturing: $63B (19%)
- Government: $35B (10%)
- Healthcare services: $29B (9%)
- Professional services: $33B (10%)
- Wholesale trade: $22B (6%)
- Retail trade: $19B (4%)
- Construction: $14B (4%)
- Other: $55B (16%)

Source: US BEA State GDP Data Tables
RESEARCH AND DEVELOPMENT

$1 BILLION +

2017 RESEARCH INVESTMENT

UNIVERSITY OF WISCONSIN-MADISON

WISCONSIN
KEY INDUSTRY CLUSTERS

- Advanced Manufacturing
- Energy Power and Control
- Food and Beverage
- Water Technology
- Biohealth
- Aerospace
ADVANCED MANUFACTURING

9,400+ COMPANIES
475,000+ INDUSTRY JOBS
$63 BILLION WORTH OF OUTPUT

MANUFACTURERS PRODUCED
UNIVERSITY OF WISCONSIN SYSTEM
UNIVERSITY OF WISCONSIN-MADISON
GRAINGER INSTITUTE FOR ENGINEERING
WISCONSIN INSTITUTE FOR SUSTAINABLE TECHNOLOGY
CONNECTED SYSTEMS INSTITUTE
DIVISION OF ENTREPRENEURSHIP AND ECONOMIC DEVELOPMENT
UNIVERSITY OF WISCONSIN-PLATTEVILLE
SC JOHNSON IMET CENTER
CENTER FOR SUPPLY CHAIN MANAGEMENT
NORTHWESTERN MUTUAL DATA SCIENCE INSTITUTE
MILWAUKEE SCHOOL OF ENGINEERING
ENERGY, POWER AND CONTROL

900+ COMPANIES

100K EMPLOYED

$38B ANNUAL SALES
ENERGY — grid modernization, conservation, fossil fuels, nuclear, renewables and storage

POWER — power controls and sensors, transmission, distribution, monitoring, efficiency and quality

CONTROLS — automation and systems intelligence for industrial and building applications, energy management, SMART grid/distributed energy, wind and solar control
EPC COLLABORATIONS

MID-WEST ENERGY RESEARCH CONSORTIUM
THE ENERGY INNOVATION CENTER
WISCONSIN ENERGY INSTITUTE
GRAINGER INSTITUTE FOR ENGINEERING
GREAT LAKES BIOENERGY RESEARCH CENTER
POWER SYSTEMS ENGINEERING RESEARCH CENTER
WISCONSIN ELECTRIC MACHINES & POWER ELECTRONICS CONSORTIUM
CONNECTED SYSTEMS INSTITUTE
IN THE ENERGY ADVANCEMENT CENTER
CENTER FOR SUSTAINABLE ELECTRICAL ENERGY SYSTEMS
CYBER-PHYSICAL ENERGY SYSTEMS LAB
GRID-CONNECTED ADVANCED POWER ELECTRONIC SYSTEMS
WISCONSIN INSTITUTE FOR SUSTAINABLE TECHNOLOGY
SUSTAINABLE AND RENEWABLE ENERGY SYSTEMS PROGRAM
MSOE’S APPLIED TECHNOLOGY CENTER
MSOE’S THERMAL SYSTEMS ENERGY LABORATORY
MARQUETTE UNIVERSITY OPUS COLLEGE OF ENGINEERING
EPC COLLABORATIONS

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MSOE’S THERMAL SYSTEMS ENERGY LABORATORY
MARQUETTE UNIVERSITY OPUS COLLEGE OF ENGINEERING
FOOD AND BEVERAGE

1,400 COMPANIES
93,000+ INDUSTRY JOBS
$67.8B ANNUAL SALES
POWERFUL PARTNERSHIPS

FaB Wisconsin
FaBCAP
Investing in Manufacturing Communities Partnership
Profitable Sustainability Initiative
ExporTech™
Supply Chain Advantage/Accelerate
Global Food Safety Initiative Certification
ACADEMIC COLLABORATIONS

CENTER FOR INTEGRATED AGRICULTURAL SYSTEMS
CENTER FOR DAIRY RESEARCH
FOOD RESEARCH INSTITUTE
MEAT SCIENCE EXTENSION
SPECIALTY MEAT DEVELOPMENT CENTER OF WISCONSIN
FOOD SCIENCE TECHNOLOGY PROGRAM
UNIVERSITY OF WISCONSIN-RIVER FALLS DAIRY RESEARCH PROGRAM
WATER TECHNOLOGY

230+ COMPANIES

23,000 EMPLOYED

$15.7B ANNUAL SALES
ACADEMIC COLLABORATIONS

FRESHWATER COLLABORATIVE OF WISCONSIN
SCHOOL OF FRESHWATER SCIENCES
UNIVERSITY OF WISCONSIN-MADISON
UW-STEVENS POINT
MARQUETTE UNIVERSITY
NORTHLAND COLLEGE
WISCONSIN TECHNICAL COLLEGE SYSTEM
ACADEMIC COLLABORATIONS

FRESHWATER COLLABORATIVE OF WISCONSIN
SCHOOL OF FRESHWATER SCIENCES
UNIVERSITY OF WISCONSIN-MADISON
UW-STEVENS POINT
MARQUETTE UNIVERSITY
NORTHLAND COLLEGE
WISCONSIN TECHNICAL COLLEGE SYSTEM
ACADEMIC COLLABORATIONS

MARSHFIELD CLINIC
WISCONSIN NETWORK FOR HEALTH RESEARCH
UWM RESEARCH FOUNDATION
WISCONSIN ALUMNI RESEARCH FOUNDATION
UNIVERSITY RESEARCH PARK CENTER FOR PREDICTIVE COMPUTATIONAL PHENOTYPING INSTITUTE FOR DRUG DISCOVERY
ATHLETIC PERFORMANCE RESEARCH CENTER
FORWARD BIOLABS

Marquette University
Milwaukee School of Engineering
University of Wisconsin-Milwaukee
Medical College of Wisconsin
Froedtert Health
Children’s Hospital of Wisconsin
The Milwaukee Veterans’ Administration Versiti
ACADEMIC COLLABORATIONS

Marquette University
Milwaukee School of Engineering
University of Wisconsin-Milwaukee
Medical College of Wisconsin
Froedtert Health
Children’s Hospital of Wisconsin
The Milwaukee Veterans’ Administration
Versiti

MARSHFIELD CLINIC
WISCONSIN NETWORK FOR
HEALTH RESEARCH
UWM RESEARCH FOUNDATION
WISCONSIN ALUMNI RESEARCH
FOUNDATION
UNIVERSITY RESEARCH PARK
CENTER FOR PREDICTIVE
COMPUTATIONAL PHENOTYPING
INSTITUTE FOR DRUG DISCOVERY
ATHLETIC PERFORMANCE
RESEARCH CENTER
FORWARD BIOLABS
AEROSPACE

200+ COMPANIES

26,000+ INDUSTRY JOBS

$730M TOTAL EXPORTS
AIRCRAFT, SPACECRAFT AND PARTS
ACADEMIC COLLABORATIONS

ADVANCED MATERIALS INDUSTRIAL CONSORTIUM
SPACE SCIENCE AND ENGINEERING CENTER
COOPERATIVE INSTITUTE FOR METEOROLOGICAL SATELLITE STUDIES
ENVIRONMENTAL REMOTE SENSING CENTER
CENTER FOR COMPOSITE MATERIALS & SOLIDIFICATION PROCESSING LAB
LABORATORY FOR SURFACE STUDIES
WISCONSIN SPACE GRANT CONSORTIUM
SUPPLY CHAIN ADVANTAGE PROGRAM
FOREST PRODUCTS

64,000+
INDUSTRY JOBS

WISCONSIN
RANKS

#1
EMPLOYMENT CONCENTRATION
IN PAPER MANUFACTURING

$1.4B
TOTAL PRODUCT
EXPORTS
ACADEMIC COLLABORATIONS

NATIONAL FOREST PRODUCTS LABORATORY
WISCONSIN INSTITUTE FOR SUSTAINABLE TECHNOLOGY
LAKE SUPERIOR RESEARCH INSTITUTE – UNIVERSITY OF WISCONSIN-SUPERIOR
WOOD TECHNOLOGY CENTER OF EXCELLENCE
ACADEMIC COLLABORATIONS

NATIONAL FOREST PRODUCTS LABORATORY
WISCONSIN INSTITUTE FOR SUSTAINABLE TECHNOLOGY
LAKE SUPERIOR RESEARCH INSTITUTE – UNIVERSITY OF WISCONSIN-SUPERIOR
WOOD TECHNOLOGY CENTER OF EXCELLENCE
ENTREPRENEURSHIP & INNOVATION IN WISCONSIN®
2018 RESULTS
QUALIFIED NEW BUSINESS VENTURE PROGRAM

NUMBER OF CERTIFIED COMPANIES

- INFORMATION TECHNOLOGY: 35%
- MANUFACTURING: 14%
- HEALTH TECH: 15%
- LIFE SCIENCES: 13%
- OTHER: 13%
- HEALTH IT: 10%

Source: Reporting from QNBV-certified companies
Thank you

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