



*Advanced
Manufacturing Training*

West Alabama/East Mississippi

WIRED Region

The WAEM Region

West Alabama-East Mississippi WIRED Initiative

Gov. Haley Barbour

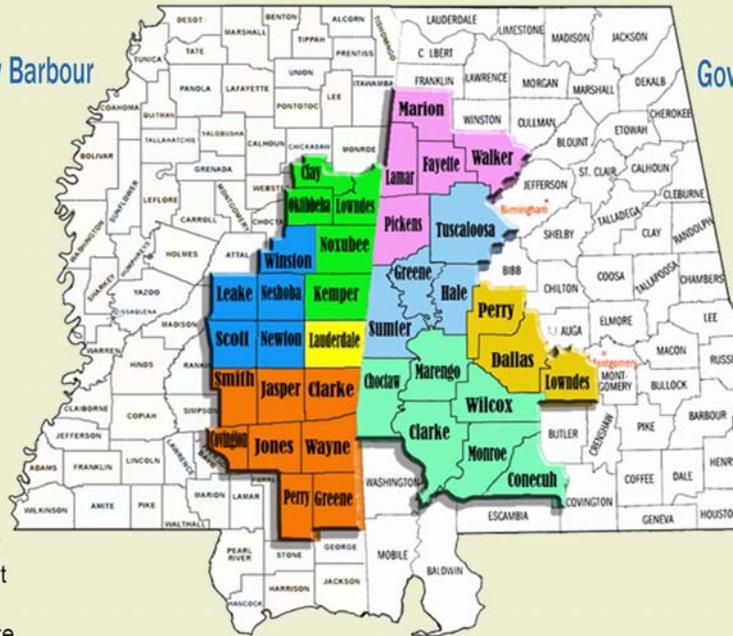
Gov. Bob Riley

WIRED Commissioners

- ◆ Bill Scaggs- Chairman
- ◆ Phillis Belcher
- ◆ Eric Clark
- ◆ Tommy Dulaney
- ◆ Matthew Hughes
- ◆ Bill Johnson
- ◆ Wade Jones
- ◆ Susan Miller
- ◆ C.D. Smith

WIRED Partners

- ◆ Alabama Office of Workforce Development
- ◆ Mississippi Development Authority
- ◆ The Montgomery Institute



WIRED Community Colleges

- Alabama Southern Community College
- Bevill State Community College
- East Central Community College
- East Mississippi Community College
- Jones County Junior College
- Meridian Community College
- Shelton State Community College
- Wallace Community College-Selma

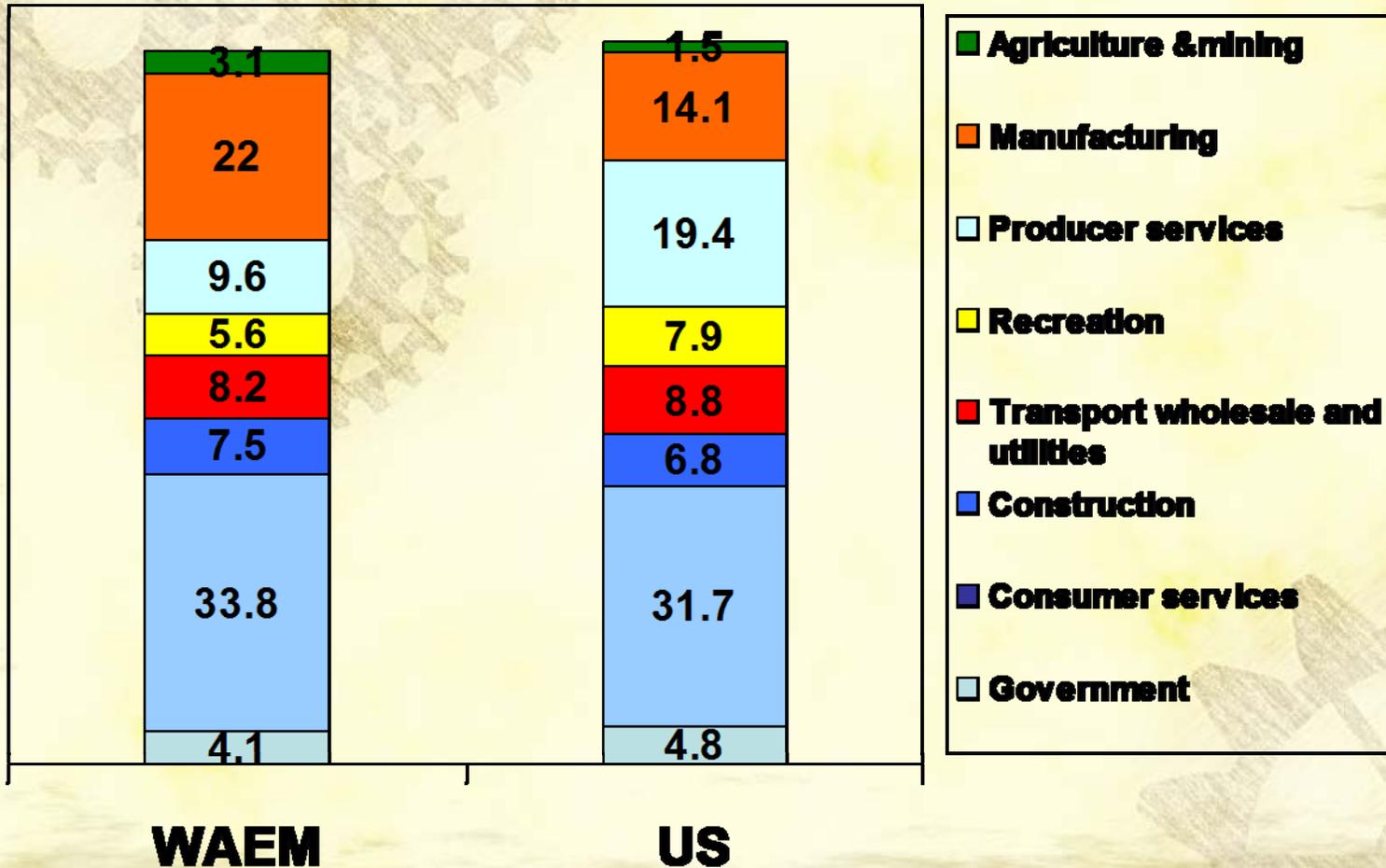
Developing *Enterprise-Ready*
Places, People, Programs, and Regional Identity



The WAEM Region

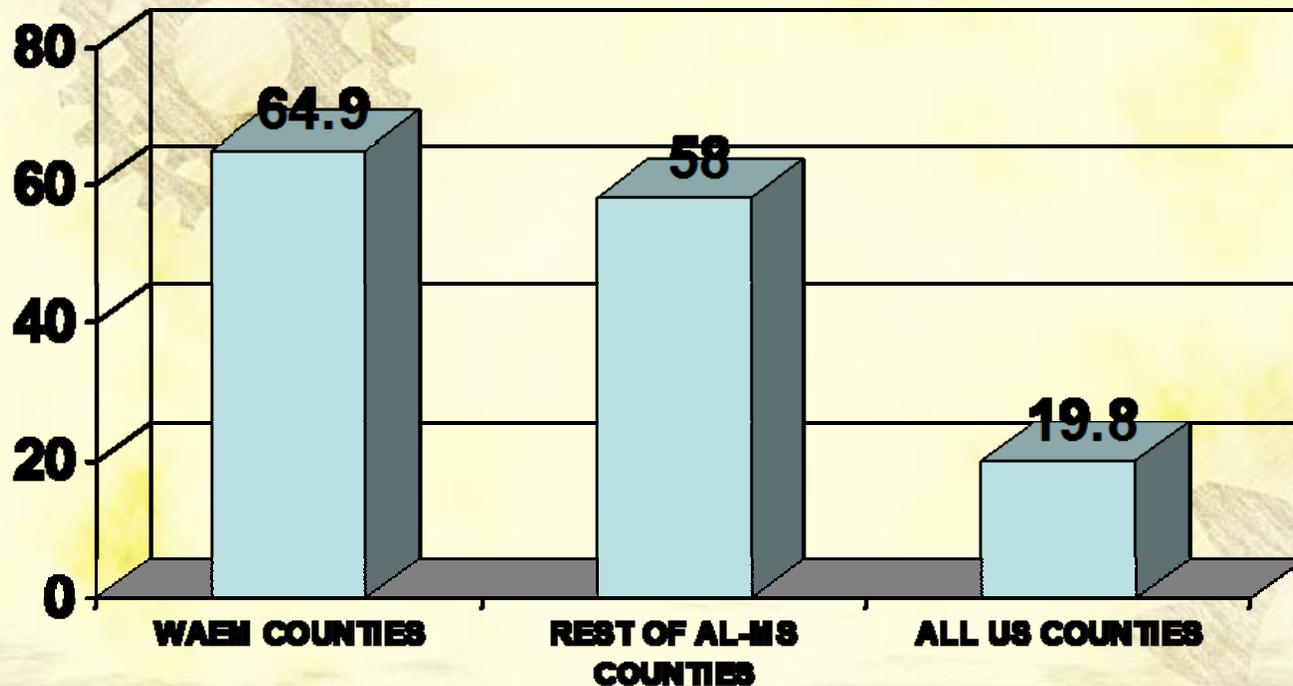
- **The region is largely manufacturing-based, but it is highly vulnerable to global competition.**
- **Goal: Move to higher value segments through advanced mfg techniques.**
- **Workforce training, business support, and cluster development are critical tactics.**

Job Comparison by Categories

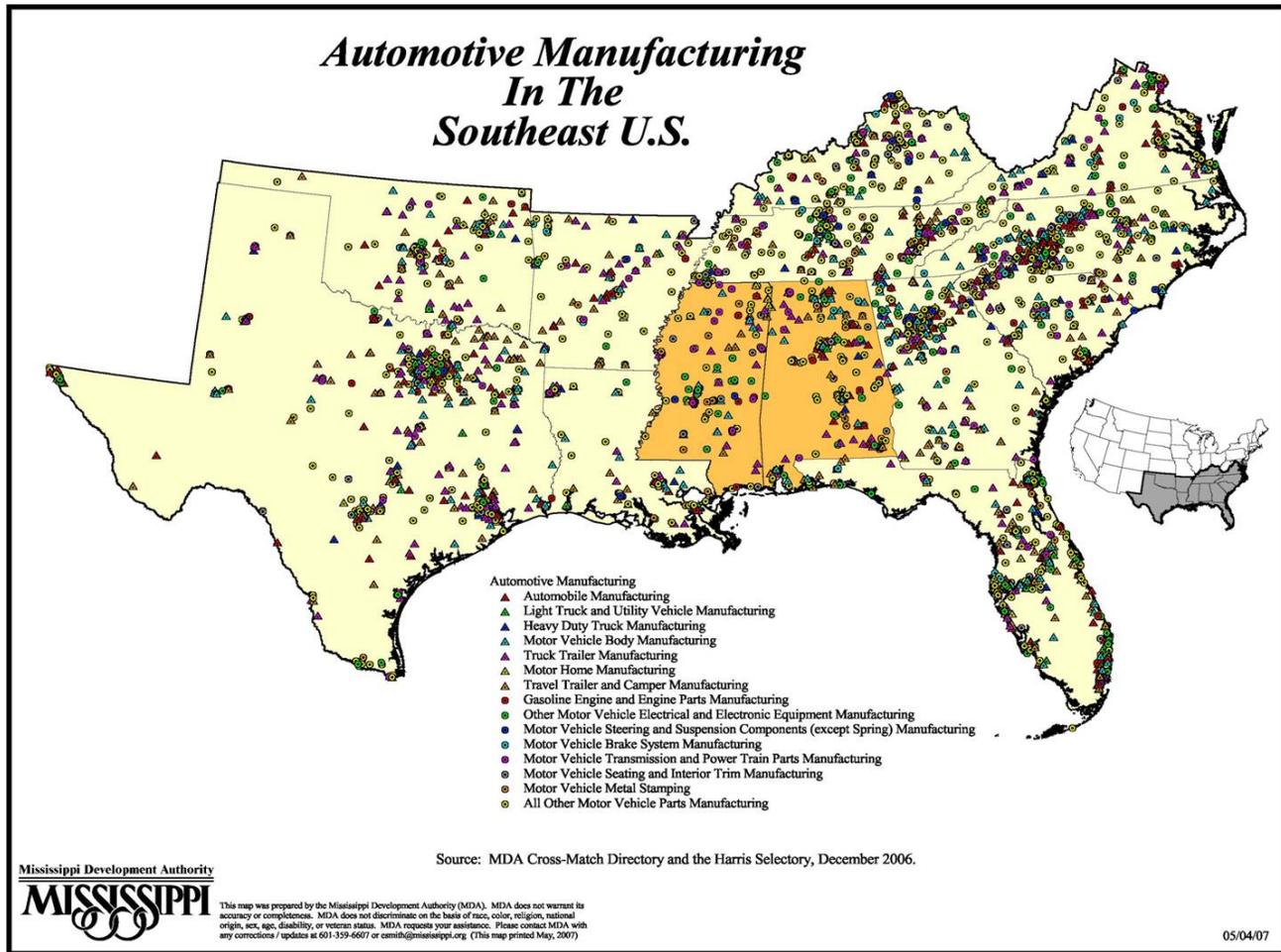


Worker Education in the Region

Percentage of low-education counties

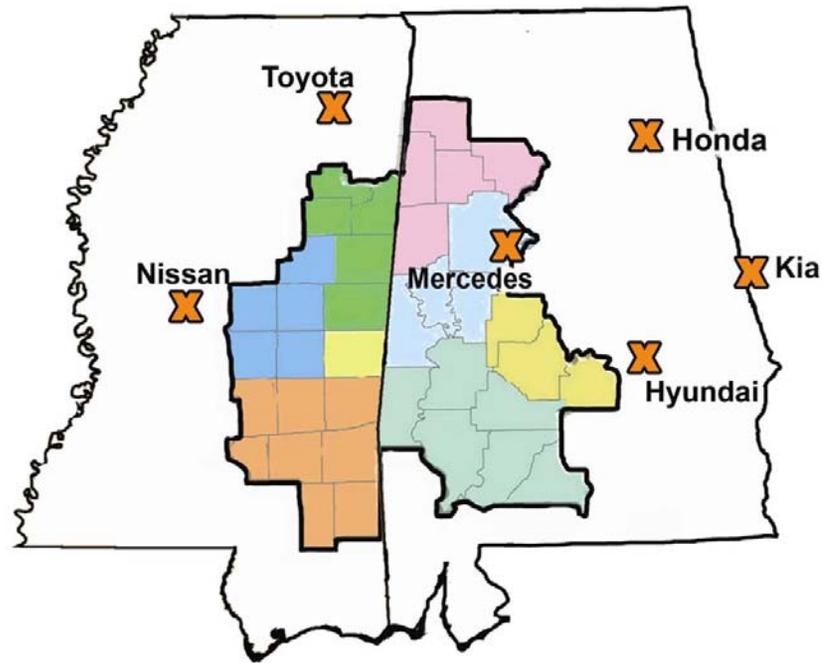


Automotive Industry in the Region



Automotive Industry in the Region

Automotive Assembly In Mississippi and Alabama



WAEM WIRED Initiatives

- Skills Ladder to a Regionally Certified Workforce in Advanced Manufacturing
 - Career Readiness Certificate
 - Modern Multi-Skill Manufacturing (M3) Certificate
 - Production Level M3
 - Advanced Production Level M3
 - Manufacturing Skills Standards Council (MSSC) Certification

Career Readiness Certification

- Based on WorkKeys[®] job skills assessment
- Nationally certified by ACT
- Bronze, Silver, and Gold Levels
- WAEM Community Colleges have awarded 3,909 CRCs as of 12/31/08

M3 Production Level Certification

- Based on National Skills Standards
- Developed in cooperation with Community College Workforce Directors and Regional Industry representatives
- 22 modules, 88 authentic skills assessments
- Training based on Amatrol's Anytime, Anywhere e-Learning System

M3 Production Level Certification

- Modules can be accessed by high school and community college students as well as incumbent and dislocated workers
- Training can be done anywhere, anytime; self-paced or instructor-led
- All skills must be authentically assessed by the community colleges
- Indicates a technically capable entry-level operator

M3 Production Level Certification

- Modules include
 - Safety
 - Geometric Dimensioning and Tolerancing
 - Linear Motion Hydraulic Systems
 - Pneumatic Systems
 - Various Hand and Power Tool Operation
 - Basic and Precision Measurement
 - Control Chart and SPC

M3 Advanced Production Certification

- Builds on the M3 Production Level Certification
- 12 additional modules, 87 additional skills assessments
- Upgrades skills from an Operator level to a Technician level
- Able to adjust and manipulate technical programming of equipment

M3 Advanced Production Certification

- Modules include:
 - Component Adjustments/Overrides
 - Basic Electrical Circuits and Measurement
 - Variable Frequency AC Drives
 - Pneumatic Speed Control Circuits
 - Conveyer Systems
 - Manufacturing Tools
 - Dimensional Gauging

MSSC National Certification

- Not originally included in the WIRED Initiative, but is a natural training progression
- Uses Amatrol-based training modules
- WAEM WIRED currently has two MSSC Certified Instructors

WAEM WIRED

For More Information, go to:

www.waem.us