



CIS

Center for
Industrial Services

A NIST MEP Affiliate

Overview for Y-12

National Security Complex

April 8, 2008

CIS History: From Humble Beginnings

The Center for Industrial Services was established through legislation by the Tennessee General Assembly on October 8, 1963 to provide industrial extension services to TN manufacturers. CIS is one of the oldest industrial extension programs nationwide. The funding for CIS was provided by state appropriated dollars in support the University's public service mission.

Services were :

- predominately university-based
- pre-paid by taxpayer dollars,
- focused on awareness building and short term technical assistance
(matching faculty to the problems)

CIS expands programs

- 1986 – Defense Logistics Agency awards UT CIS its first major program expansion - Procurement Technical Assistance Center.
- 1986 – Tennessee Department of Environment and Conservation contracts with UT CIS to establish a Waste Reduction Assistance Program (WRAP).
- **1991-1994 - DOE Technology Transfer Partner with Y-12**
- 1994 – National Institute for Standards & Technology awards Manufacturing Extension Program to State of Tennessee Economic & Community Development.

“Tech Transfer” Hey Day

- 1991-1994 Cooperative Agreement between UT and Y-12
- At peak, approximately 120 projects per year completed by Y-12
- Most were “applied” technology
- Virtually all were high impact

What made “it” work?

- Y-12 had deep pockets to support “it”
- CIS Field Staff willing to try/use “it”
- Reliable point of contact within Y-12
- Commitment to cooperation and rapid response on both sides (Y-12 and CIS)
- CIS provided good filter
- Y-12 made good political use of story boards
- Little “red tape”

The UTCIS Mission

- *To help Tennessee's businesses and industries improve their competitiveness in order to provide good jobs and a high quality of life for Tennesseans.*

The UTCIS Vision

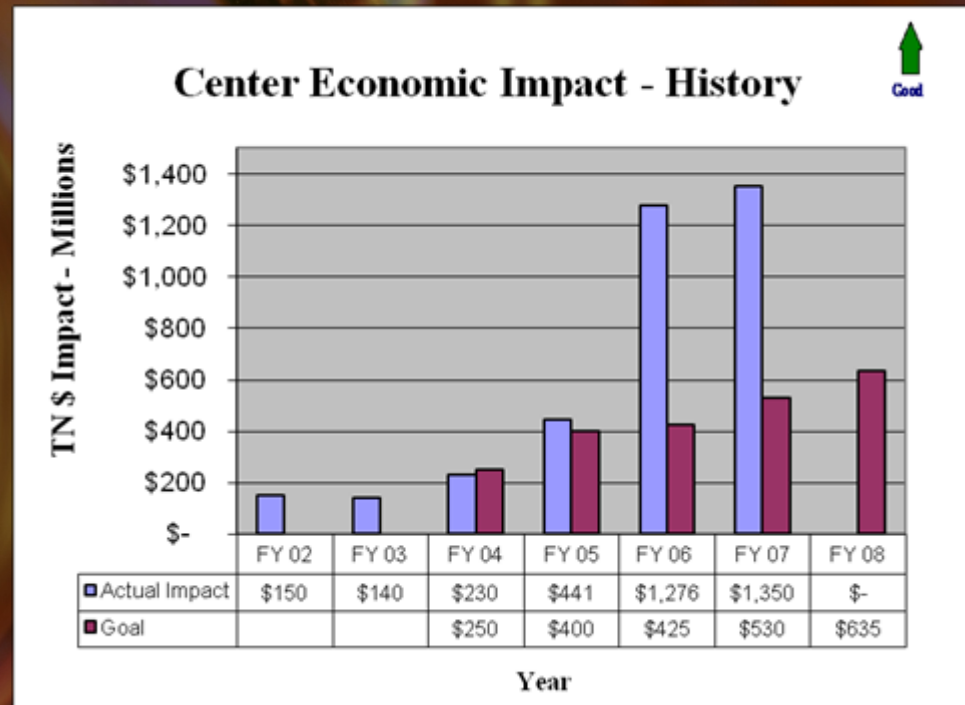
- *To be the premier provider and facilitator of technical assistance to Tennessee's businesses and industries.*

CIS Customers

- Manufacturing and Industry
- Small and Mid-Size Business
- Emerging Technologies

Proven Results

- Work with more than 400 companies each year.
- Reported economic impacts for CIS services:
 - Contract procurement, new & retained sales, increased profit, labor & material, capital and infrastructure, and jobs.
- FY 07 impacts reaching \$1.027 billion.
 - PTAC – \$1.1 billion
 - TMEP - \$141 million



CIS Regional Offices

CIS Territory Map



1

Memphis Office
UT CIS
2670 Union Avenue, Extended, Suite 1123
Memphis, TN 38112
Fax No: 901-323-9191
Field Staff
Al Cash – 901-323-9339

2

Jackson Office
UT CIS
605 Airways Blvd., Suite 109
Jackson, TN 38301
Fax No: 731-425-4771
Field Staff
Mike Simmons – 731-423-3710
Russell Toone (PTAC)
731-425-4777

3 & 4

Nashville – Headquarters
UT CIS
193 Polk Avenue, Suite 193
Nashville, TN 37210
Phone 615-532-8657
Fax No: 615-532-4973
Field Staff
Norma Wilcox – 615-532-4914
Dan Miller – 615-587-6325
Joe Flynn (PTAC)
615-532-8885

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Chattanooga Office
UT CIS
615 McCalle Avenue, Suite 227
Metropolitan Building
Chattanooga, TN 37403
Fax No: 423-235-4436
Field Staff
Harding Aslinger – 423-425-2364
Paul Middlebrooks (PTAC)
423-425-5319

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Knoxville Office
UT CIS
105 Student Services Building
Knoxville, TN 37996
Fax No: 865-974-1528
Field Staff
Jim Slizewski – 865-974-2249
Kim Arms (UTUC)
865-974-9610

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Johnson City Office
UT CIS
Northridge Center
3119 Bristol Highway
Johnson City, TN 37601
Field Staff
Dwaine Raper - 423-282-4141

CIS supports seven regional offices with field consultants and resources located conveniently throughout the 3 grand divisions of Tennessee.

CIS Staff

CIS currently has 49 full time employees and 15 “special appointment” staff members located state wide.

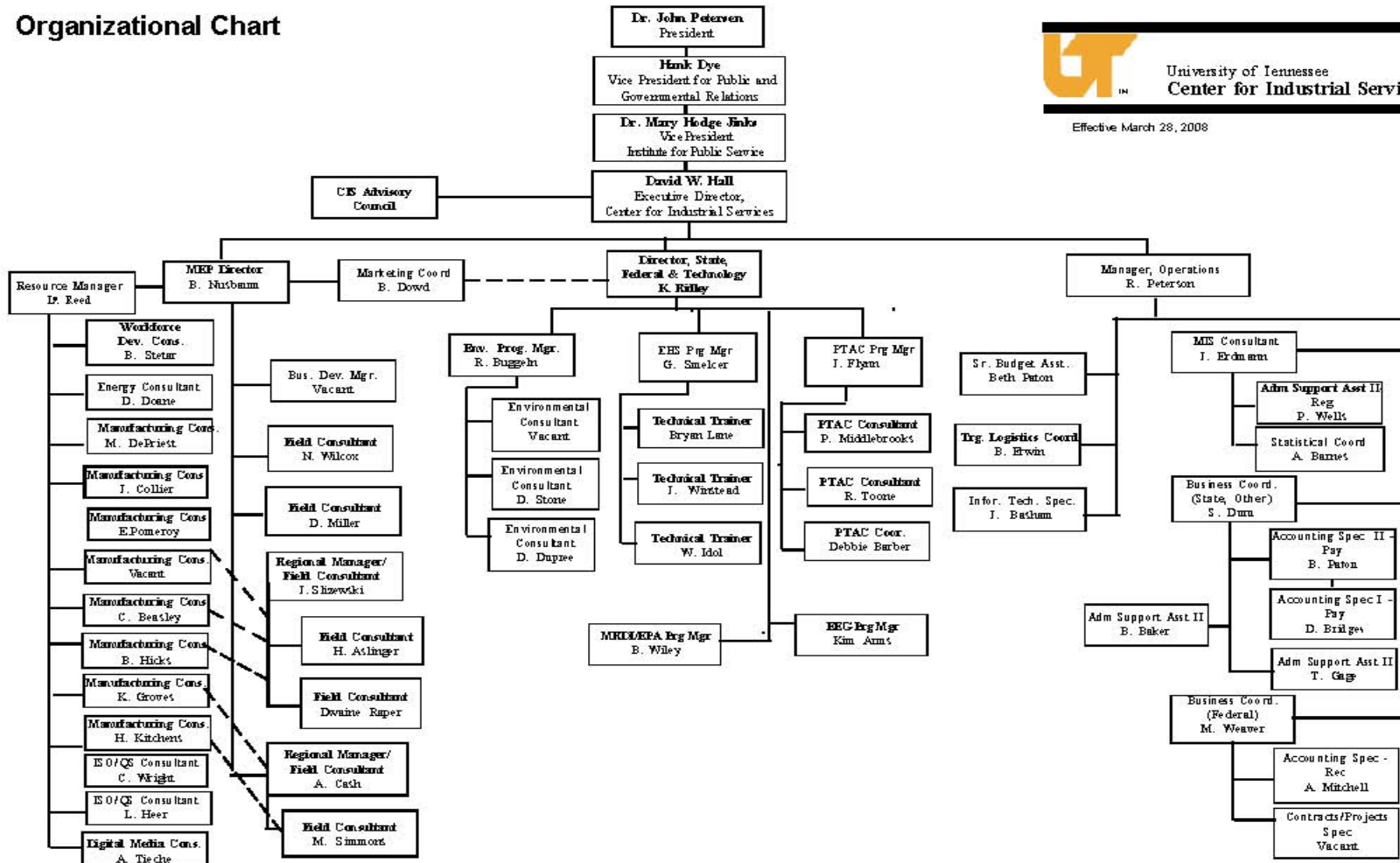
- Johnson City
 - 1 FTE staff
- Knoxville
 - 10 FTE staff, 5 “special appointment” staff
- Chattanooga
 - 2 FTE staff, 1 “special appointment” staff
- Nashville
 - 30 FTE staff, 3 “special appointment” staff
- Jackson
 - 3 FTE staff
- Memphis
 - 3 FTE staff, 5 “special appointment” staff

Organizational Chart



University of Tennessee
Center for Industrial Services

Effective March 28, 2008



CIS Programs/Services



CIS Programs

- DoD Procurement Technical Assistance Program (PTAC)
- NIST Manufacturing Extension Program (TMEP)
- TDEC Environmental Programs
 - State Solid Waste (SSW)
 - Waste Reduction Assistance Program (WRAP)
- Health & Safety
 - Hazardous Waste Operator Training (HAZWOPR)
 - OTI (Occupational Training Institute)
- Manufacturing Research Development Institute (MRDI)
- EDA University Center
- SBIR/STTR
- New Product Development Center (NPDCC)

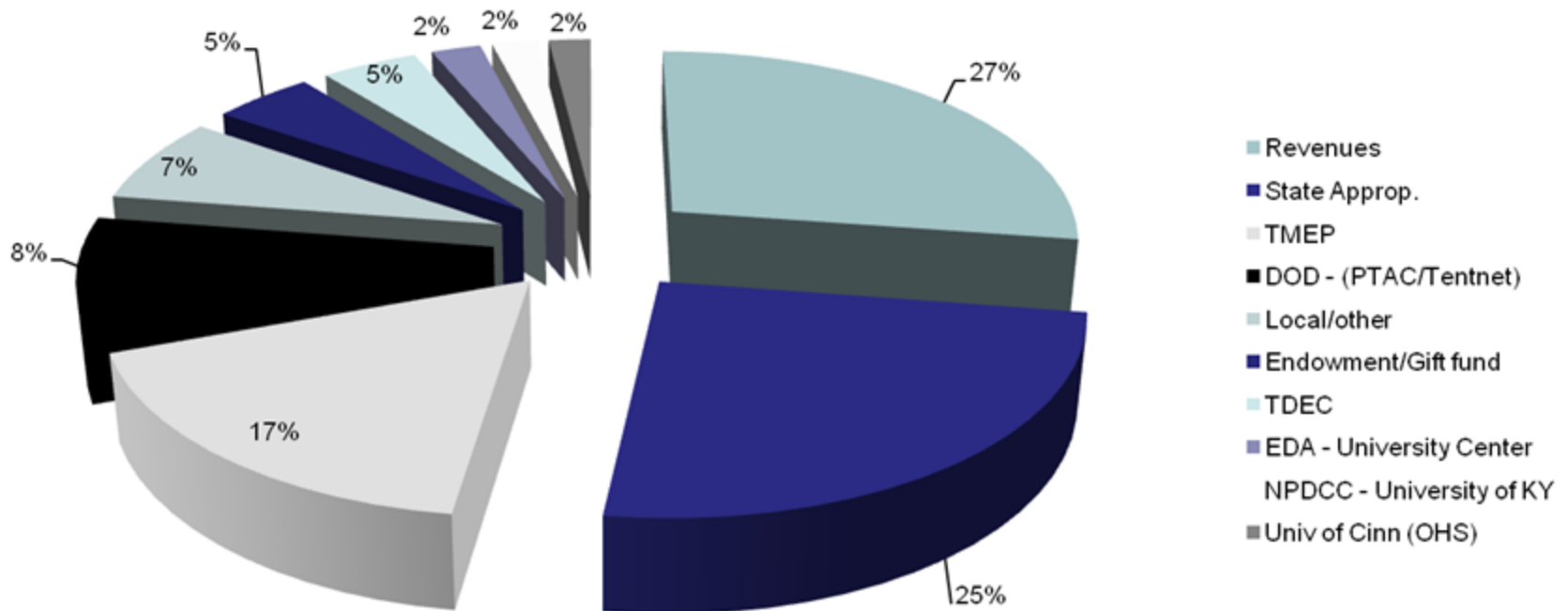
Breakthrough Objectives

The background of the slide features a close-up, artistic view of several interlocking metal gears. The lighting is dramatic, with warm, golden-brown and reddish tones, creating a sense of depth and mechanical complexity. The gears are slightly out of focus in some areas, emphasizing their intricate teeth and circular forms.

- Economic Impact
- Funding Source Diversification
- Technology Infusion

CIS Funding Distribution

FY 2009 Funding Distribution



Technology Infusion



- Global differentiator
- Critical to BOTH existing and start-up businesses
- Need Y-12 and ORNL help!
- Time is of the essence

How can we make “it” work (again)?

- Complete some successful pilot projects
- Continue to partner in expanding SBIR/STTR assistance across state
- Continue dialog on two-way “translations” of technologies and potential applications



Questions?