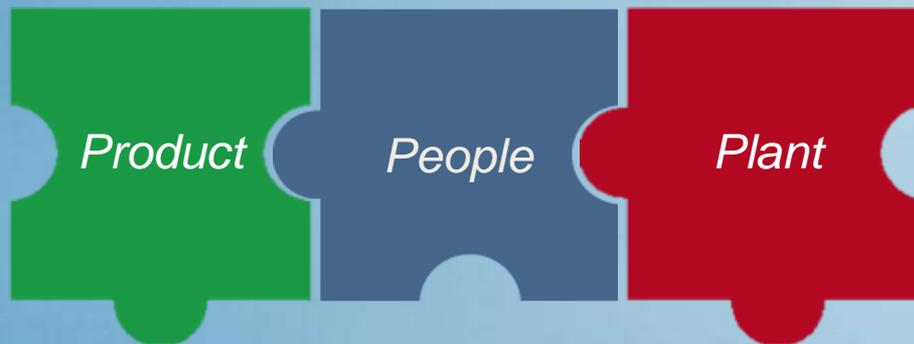




SDTECHS *Work* 2021



Legislative Committee Brief: July 2015



Our Overarching Goal:

***To provide quality postsecondary
education and training to enable
South Dakota's
workforce and economy
to grow.***



Grow a technically skilled workforce prepared to meet the challenges of industry and continuing education.

- 
- 1. Expand our pipeline and increase the number of skilled graduates to meet SD's workforce and to continue economic growth.*
 - 2. Allow students to earn relevant, national industry certifications.*
 - 3. Engage middle and high school students in technical education to change perception of technical careers.*
 - 4. Provide for continued skills development of current workforce.*



Retention & Completion

According to the *Leaders & Laggards Report Card on Public Postsecondary Education*, SDTECHs far exceed the national average on retention (**SD 69%/US 58%**) and completion (**SD 58%/US 20%**).

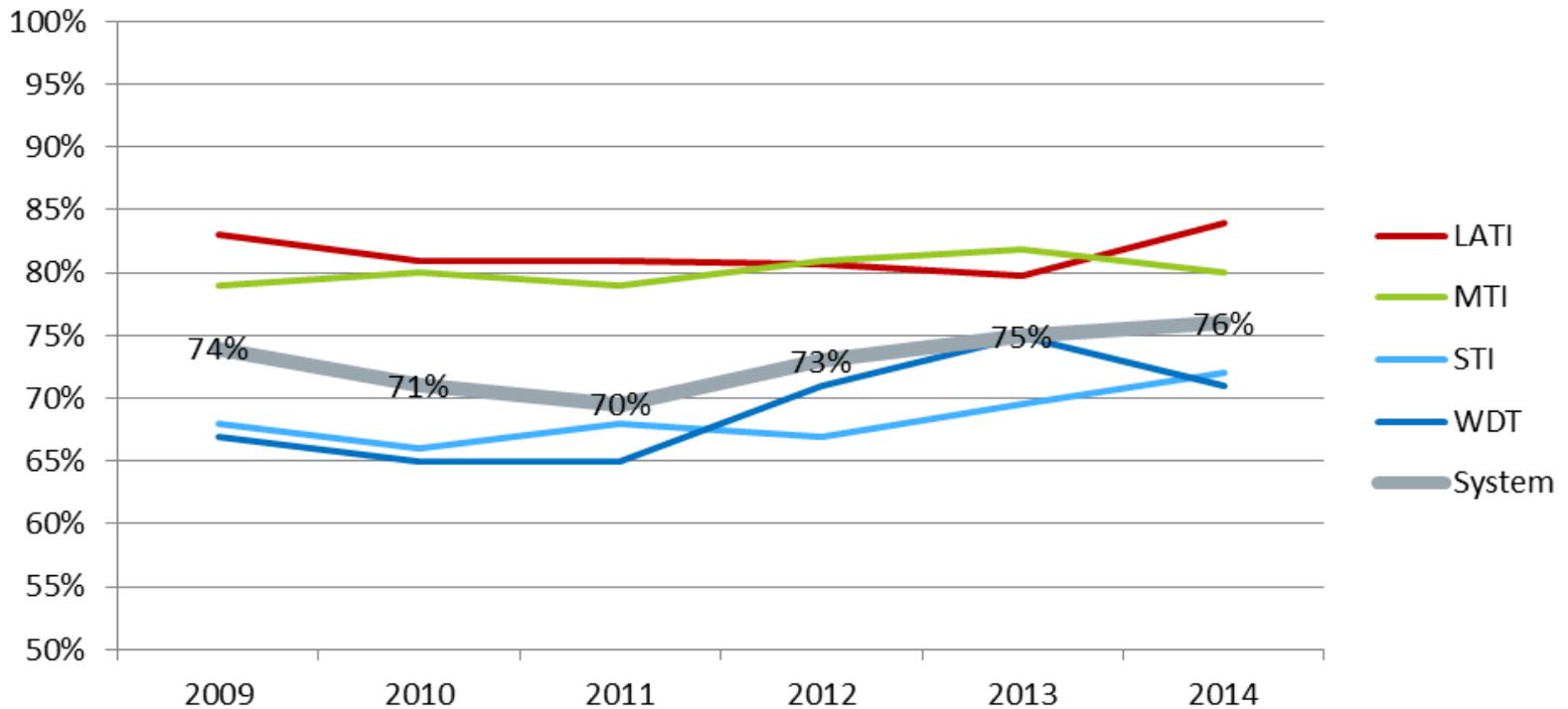
www.uschamberfoundation.org/reportcard/south-dakota/

Graduates and Placements

	Graduates	Responding	% Responding	Continuing Education / Military	Total Employable	Total Employed	% Total Placement	% Employed	Employed in Field	% Employed in Field	Employed in Field in SD	% Employed in Field in SD
2010 Graduates	1,930	1,708	88%	400	1,298	1,239	96%	73%	1,070	86%	843	68%
2011 Graduates	2,289	2,019	88%	350	1,653	1,581	96%	78%	1,348	85%	1,078	68%
2012 Graduates	2,312	2,093	91%	324	1,760	1,713	97%	82%	1,520	89%	1,289	75%
2013 Graduates	2,043	1,990	89%	296	1,677	1,628	97%	85%	1,454	89%	1,229	76%
2014 Graduates	2,522	2,331	92%	395	1,916	1,878	98%	90%	1,687	90%	1,414	75%

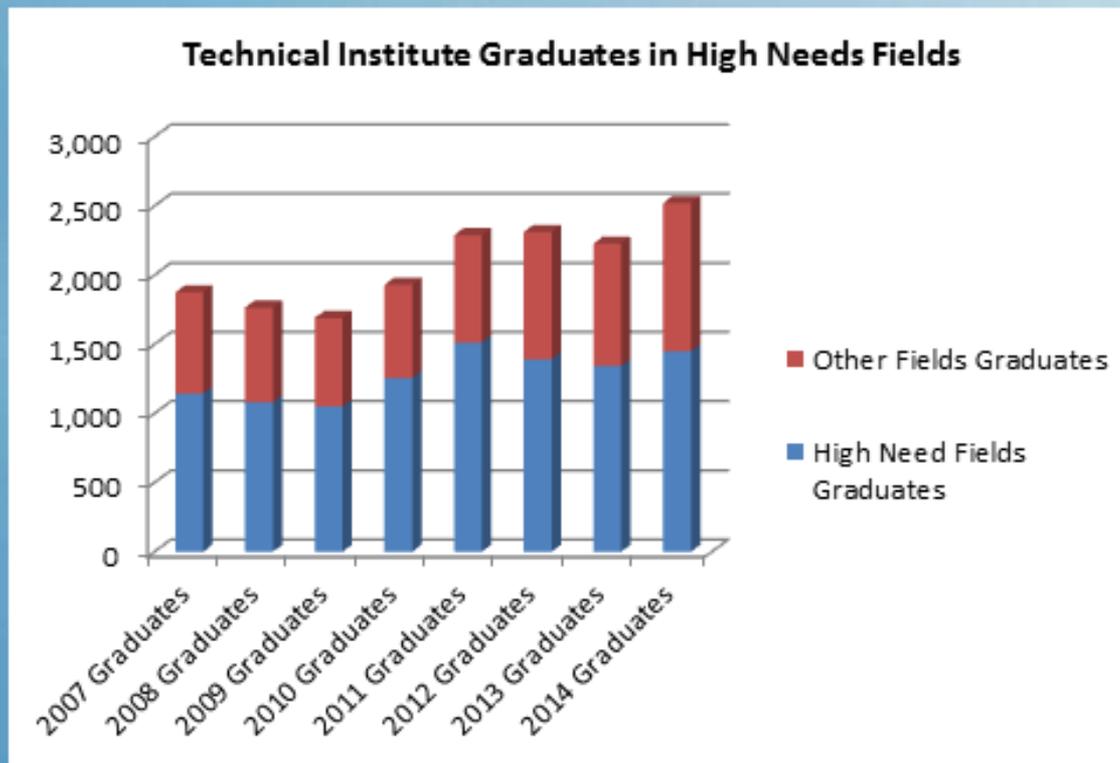


Technical Institute Retention



Source: Annual Technical Institute Retention Reports (Fall 2009-2014)

**High Needs Fields identify graduates from the following Career Clusters:
Architecture & Construction; Finance; Health Science; Information Technology;
Manufacturing; Science, Technology, Engineering & Math (STEM).**





People

Lead a system with the appropriate quality and quantity of instructors, staff and administrators.

- 
- 1. Ensure faculty have relevant industry certifications and experience.*
 - 2. Pay employees a wage that is competitive with comparable industry positions.*
 - 3. Provide compensation pathways to attract and retain master-level instructors.*
 - 4. Provide professional and instructional development opportunities for new and existing employees.*



Plant

Ensure facilities are adequate, safe and capable of meeting evolving industry demands and are conducive to learning.



- 1. Maintain equipment for safety and longevity.*
- 2. Ensure adequate facilities are available and maintained with an acceptable risk management profile.*
- 3. Keep pace with industry's evolving technology and equipment.*
- 4. Provide robust networking and systems architecture to deliver instruction and services.*
- 5. Put energy efficiency and control measures in place to minimize utility costs.*



Plant: *Where Have We Been?*

2008 . . .

\$11 Million-Lake Area Tech

\$6 Million-Mitchell Tech

\$17 Million in State Bonding

2009 . . .

Master Statewide Facility Plan 2015

Three Phases

Lake Area Tech

***MANUFACTURING, ENERGY &
TRANSPORTATION CENTER***

***AUTOMOTIVE & CONSTRUCTION
TECHNOLOGY CENTER***



Mitchell Tech

Energy Training Center

Technology Center Addition





Phase I (2010):

Student Service Centers / Technical Labs

\$ 7.75 M - Lake Area Tech

\$ 10.75 M - Mitchell Tech

\$ 3 M - Southeast Tech

\$ 11.5 M - Western Dakota Tech

\$ 33 Million in State Bonding

Student Centers

Lake Area Tech



2011

Student Centers

Mitchell Tech



2011

Student Centers

Southeast Tech



Student Centers

Western Dakota Tech





Phase 2 (2012):

Technical Labs

\$ 12.50 M - Lake Area Tech

\$ 18.50 M - Mitchell Tech

\$ 31 Million in State Bonding

Technical Labs

Lake Area Tech

AGRICULTURE & ENVIRONMENTAL CENTER



2013

Technical Labs

Mitchell Tech

MTI Nordby Trades Center



2013



Phase 3 (2015):

Technical Labs / Multi Use

\$ 20 M - Southeast Tech

\$ 18.50 M - Western Dakota Tech

\$ 38.5 Million in State Bonding

Southwest Tech



2016





Western Dakota Tech

Diesel Tech



Public Safety



Medical Sim Center

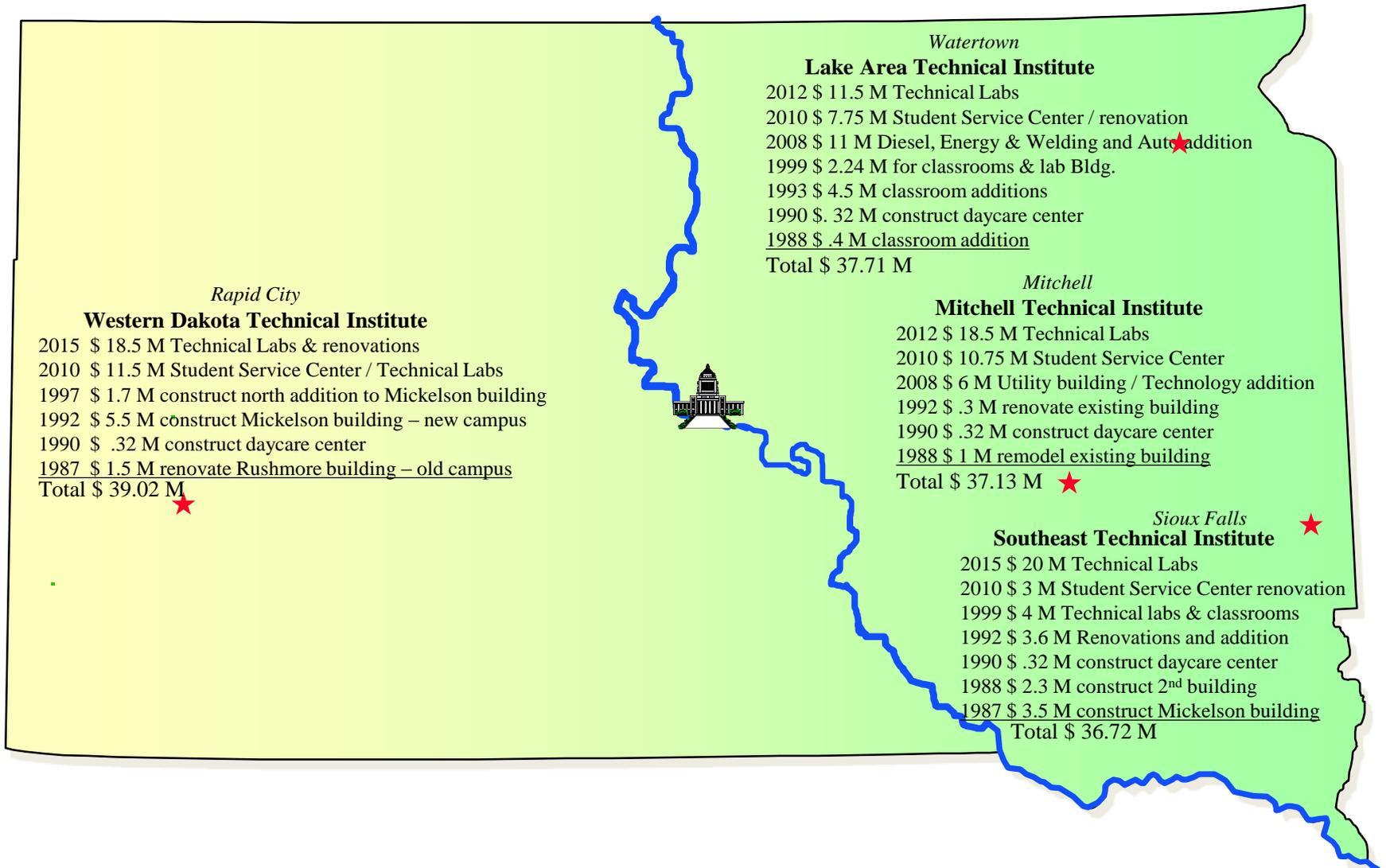


Multi Purpose Center



South Dakota Health and Educational Facilities Authority

Map of Technical Education Projects Funded





**“Improving the
perception of
Technical Careers”**



**BUILD
DAKOTA**

SCHOLARSHIP FUND

www.bullddakotascholarships.com

“CALLING ALL SKILLED SCHOLARS”



Dual Credit

1. Reduced-tuition program
2. Access to quality technical programs

SD Future Fund Grants

1. Equipment funds
2. High quality technical labs



SDMyLife.com

1. Governor/Legislature supported
2. My **Dream**. My **Plan**. My **Future**
3. Connecting Classrooms to Careers

Name Access of 7th–12th Graders

1. Legislative support (Session 2015)
2. FOCUS: “Technical Careers”

“I think the time you spent here at Lake Area Tech was not only an investment in yourself, but a true act of faith in your country as well. And that’s why I think the country should return the favor. We should have faith in people like you. We should invest in people like you. Our budgets should reflect that we care about you.”



President Barack Obama,
2015 Lake Area Tech
Commencement Address



**“There is still
more work to be
done!”**



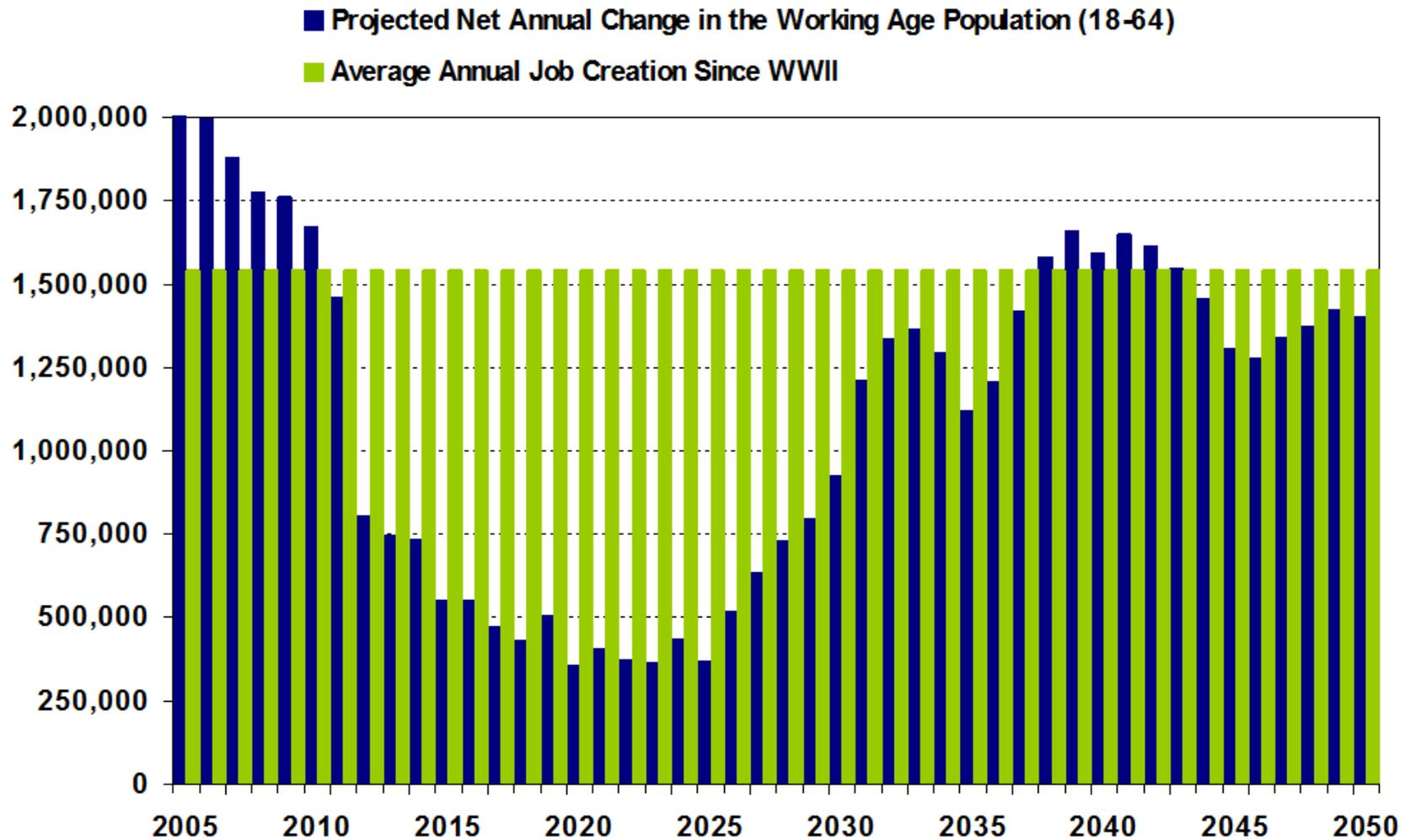
The challenge remains the same:

***Our Economy Will Face Shortage of
5 Million Workers in 2020***

“...of the nearly 165 million jobs, **65 percent** will require some sort of postsecondary education or training, up from 59 percent in 2010. In industries like information technology and government, 80 percent of the jobs will require more than a high school diploma.”

US News and World Report, July 8, 2013

Approaching Workforce Deficit



Sources: TIP Strategies; U.S. Bureau of Labor Statistics; U.S. Census Bureau



**Independent Consultants referring to
South Dakota's Technical Education:**

**“...With one exception, Montana,
South Dakota has the lowest percentage of
enrollment in 2-year colleges, 15%. ...the
imbalance between these numbers seems
to ignore the reality of present and future
workforce needs.”**

Pressing the Advantage: A Regional Growth Strategy for the I-29 Corridor, May 2010



Skilled Workforce Advocacy Council

Established in 2013, industry funded state-wide organization that was initiated by industry to support the Techs as the best solution for providing skilled technicians for South Dakota's workforce.

President Bob Faehn

Executive Director Greg Von Wald



We must expand our pipeline
and

**INCREASE THE NUMBER
OF SKILLED GRADUATES**

to meet

SD's workforce needs
and to continue
economic growth.





We need to address:

Affordability

1. Must compete with other states
2. Keep student debt low

Marketing

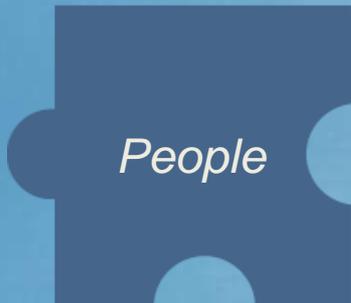
1. Continue to spread the word
2. Increase the number entering the Skilled Workforce pipeline



Product



We must
RECRUIT & RETAIN
QUALIFIED
FACULTY & STAFF
to educate and train
our future workforce.





People

- Hard to find instructors
- Difficult to retain instructors
- Competition with industry
- Need to attract more students into the pipeline



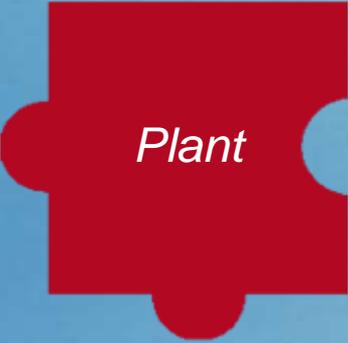
We need to address:

Compensation

1. Pay our faculty and staff market value wages
2. Recruit quality staff

Adequate Staffing

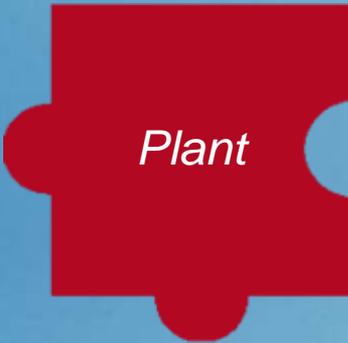
1. Provide instructional support
2. Provide growth and mobility



Plant

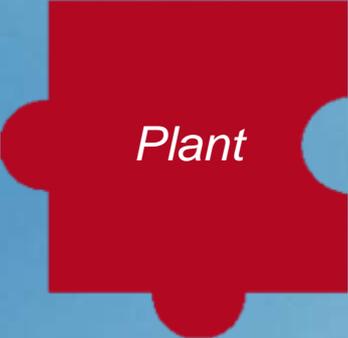


We must
MAINTAIN & REPAIR
our investments in
facilities and equipment.



Plant

- Increased energy costs
- Increase capacity ensuring facilities and equipment for future students
- Continuous Improvements



Plant

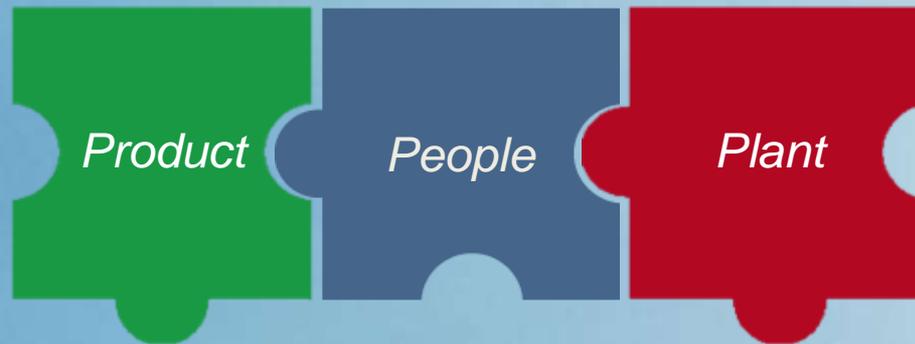


We have benefitted greatly from your investment in us:

- New campus buildings
- State-of-the-art labs
- High tech equipment



SDTECHS *Work* 2021



Our “PLAN” will allow all the pieces
to fit into place.....



As \$ RESOURCES \$ are added to the Technical Institute's budget over the next five years, we can address SD Workforce needs through investing in:

SDTECHS *Work* 2021

1. Affordability & Marketing
2. Compensation Improvement
3. M & R / Labs / Equipment
4. Sustainability / PSA



SDTECHS *Work* 2021

Thank you!
Questions?

