RURAL BROADBAND

PRESENTATION BY INSPIRED TECHNOLOGIES INC.

inspired TECHNOLOGIES

Founded in 2002, Inspired Technologies is an industry leader in technology support. Inspired specializes in IT support and consulting for county government/city/law enforcement, wireless technologies, 4G/5G installations and support for T-Mobile, Sprint, AT&T, and Verizon, microwave installation, fiber construction, inside and outside plant engineering for internet service providers, and infrastructure cabling for Cat5/Cat6 cabling.

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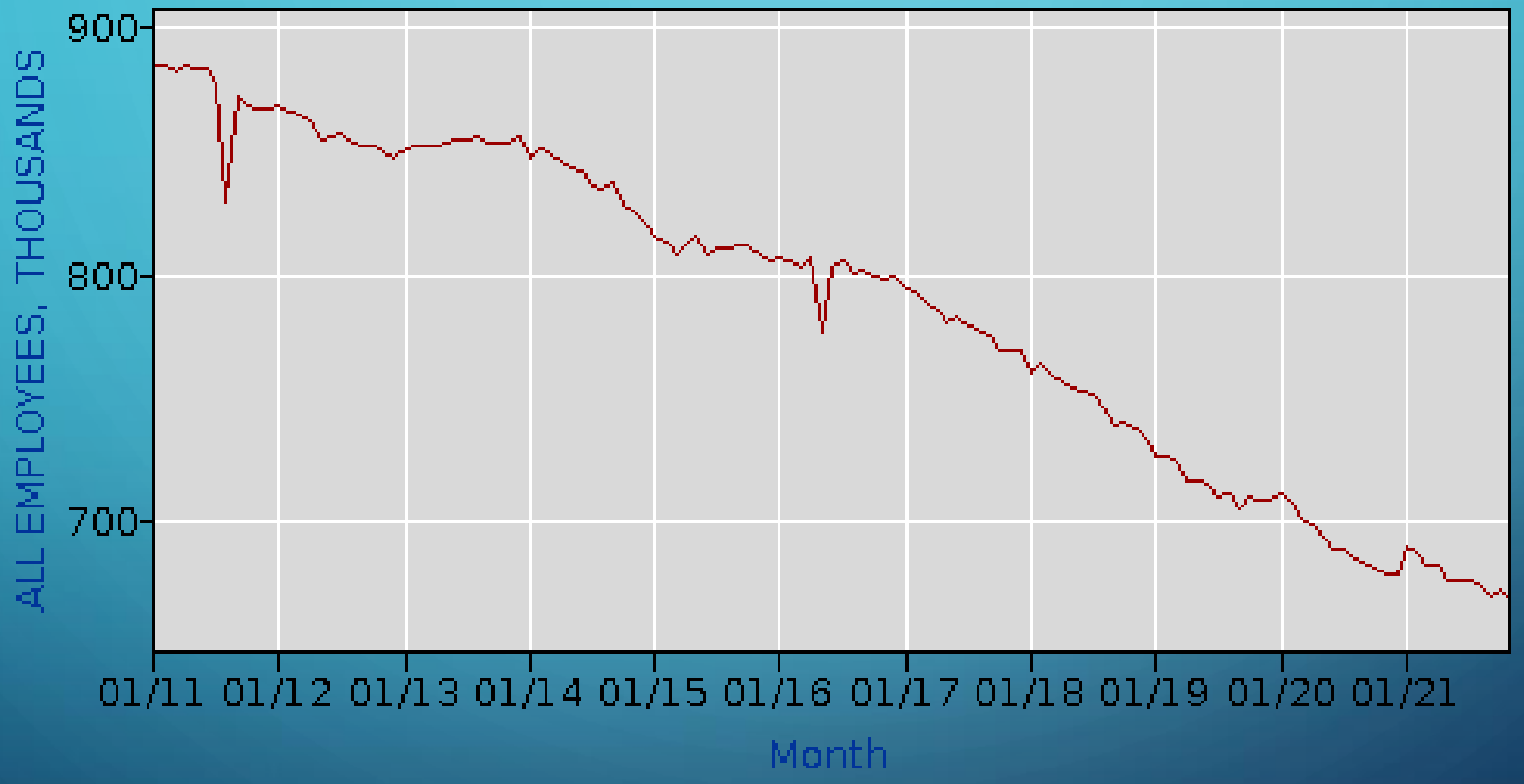
TELECOMMUNICATIONS WORKFORCE SHORTAGE

THE PROBLEM IS REAL, AND SO IS THE SOLUTION!

TELECOMMUNICATIONS WORKFORCE NUMBERS



Source US Bureau of Labor Statistics

CURRENT JOB VACANCIES

- Telecommunications industry has lost nearly 30% of the workforce since 2011, with another 30% anticipated to retire in 5 years. There are currently 22500 vacant positions aren't filled. This number is likely to increase to 30000 by the end of the first fiscal quarter 2022. *Source US BLS
- The United States is about to undertake the largest technology infrastructure project ever!

THE FIGHT FOR LABOR AND MATERIALS

- Covid Pandemic has caused supply shortages in materials such as steel, fiber optic cabling, and network hardware equipment due to semiconductor and microchip shortages.
- By 2023, 50 States will be competing for labor and resources that are scarce and in short supply.
- There is not a sufficient workforce today that can handle the amount of labor projects that will be coming down the pipe in the near future.

THE FIGHT FOR LABOR AND MATERIALS

- Several current projects have met with delays on materials and labor shortages that were unanticipated
- Delays on projects have undermined consumer confidence in the viability of solutions being provided

HOW DO WE SOLVE IT?

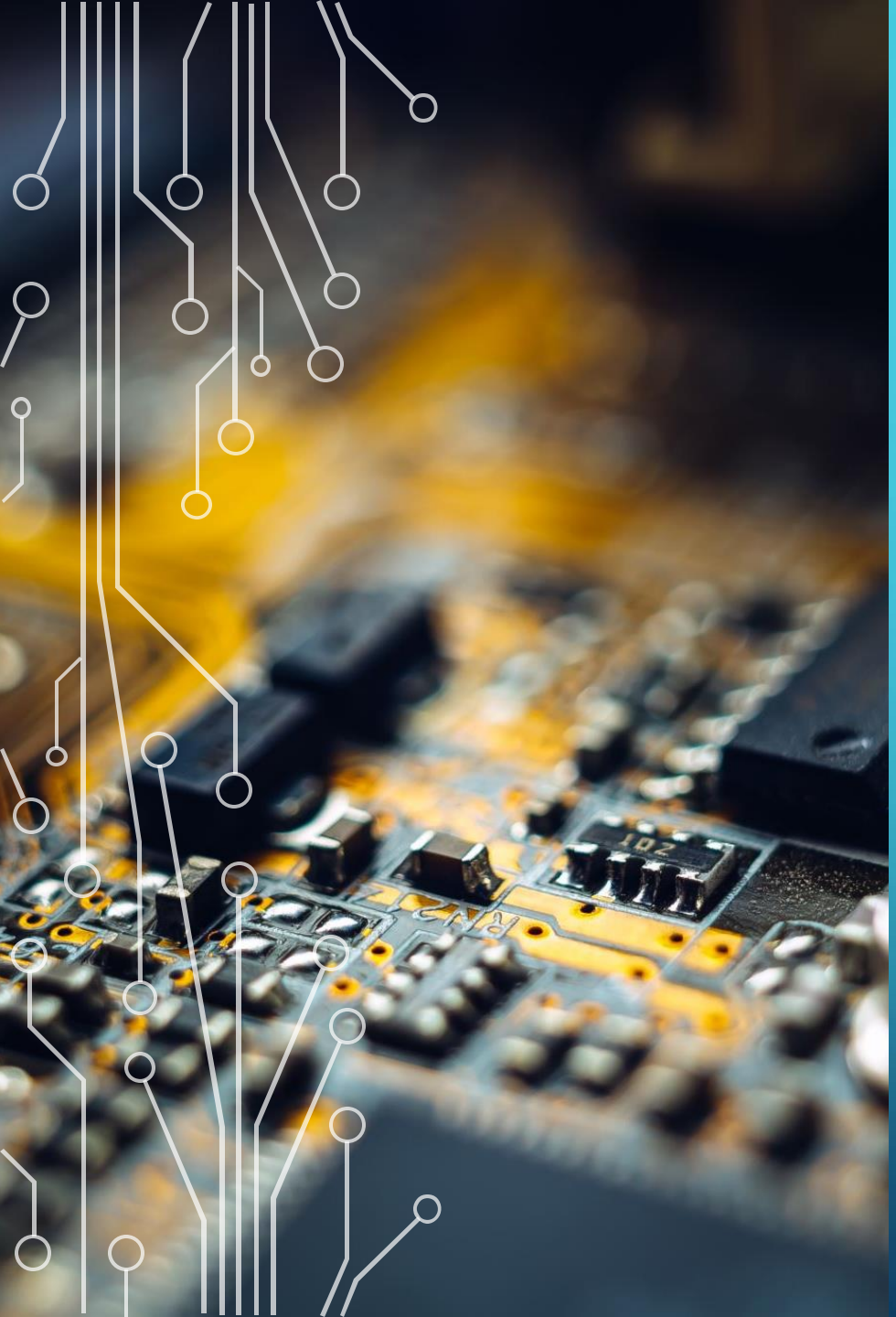
- Specialized training at vocational and technical colleges with input from industry leaders. Training needs to be career ready and focused on the needs of the industry (i.e. the people doing the work)
- Securing manufacturing with US based companies for raw materials and high-end technology manufacturing

TECHNOLOGY SUPPLY CHAIN SHORTAGE

THE PROBLEM IS REAL, BUT THE SOLUTION IS FAR FROM CLEAR

WHAT CAUSED THIS SUPPLY CHAIN ISSUE

- Covid-19
- Lack of domestic production capability
- Three-fold increased demand
- Tariffs
- Factory output production (Taiwan, South Korea, China)
- Lack of Skilled Workforce and Labor Shortages
- Shipping/Logistics Issues



HOW DOES THIS AFFECT RURAL BROADBAND

- Lack of core network equipment
- Lack of semiconductors and computer chips
- Lack of wireless/cellular equipment
- Lack of fiber optic cable
- Increased demand for product **

SOLUTION?

SOLUTION

- Expedite building of new facilities for semi-conductors and chips domestically (Federal or State action)
- Create stronger trade partnerships on vital products
- Decrease reliance on foreign manufacturing for technology products (National Security Issue)
- Incentivize companies to pivot towards production of necessary component and core products (National Security Issue)