



# L-3 STRATIS

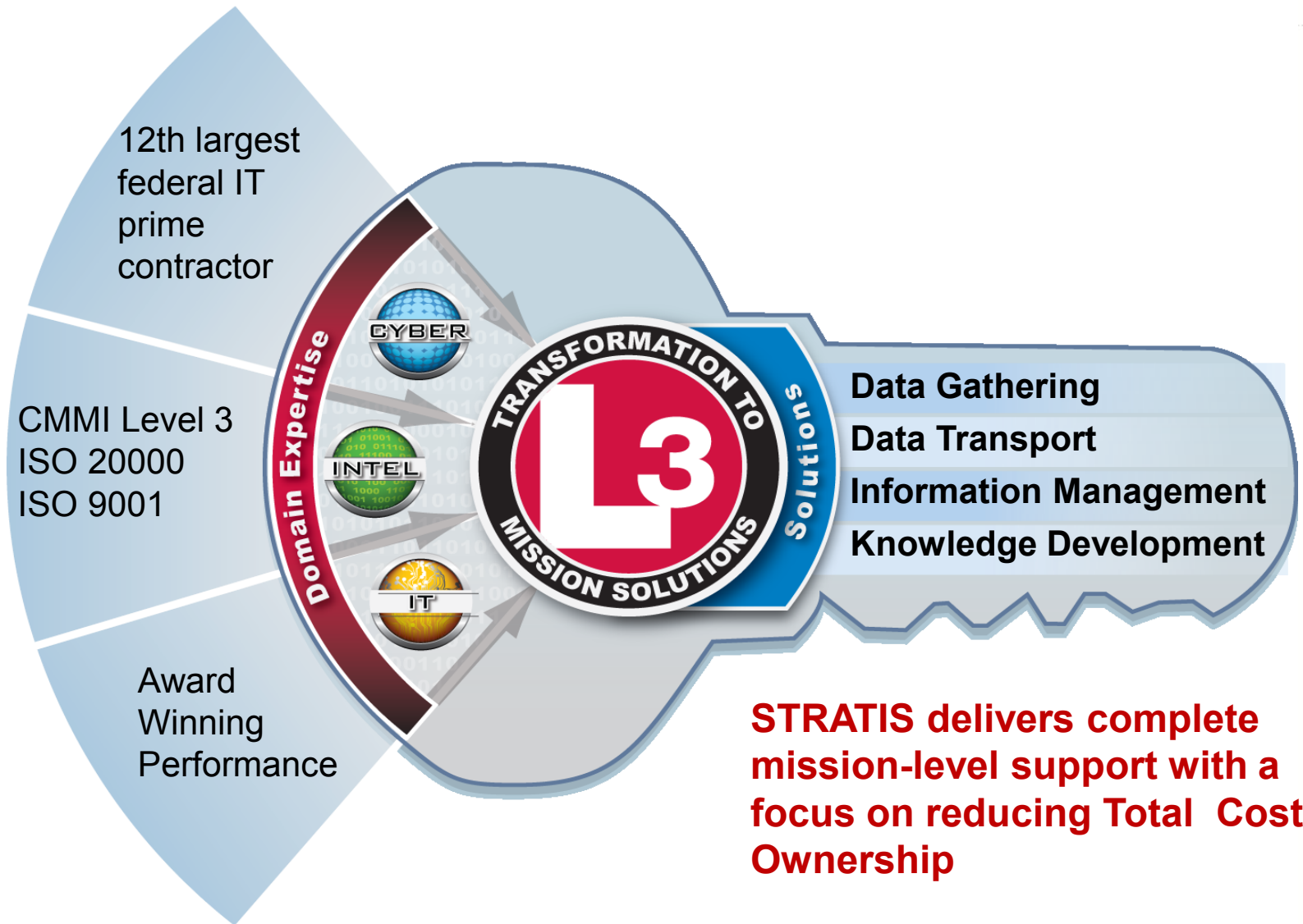
Leading Provider of Cyber, Intelligence and Enterprise IT Solutions

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# Domain Expertise Supports the Client's Mission





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# Solving Your Toughest Challenges



CYBER

- High Performance Computing
- Active Defense
- Mobile Security
- Cloud Security
- Training



INTEL

- Data Collection
- Information Dissemination
- Processing Big Data
- Analytics: Sense Making



IT

- Cloud Solution Sets
  - Commercial
  - Hybrid
  - Private
- Software Development
- Migration Strategy
- Mobility
- Data Management

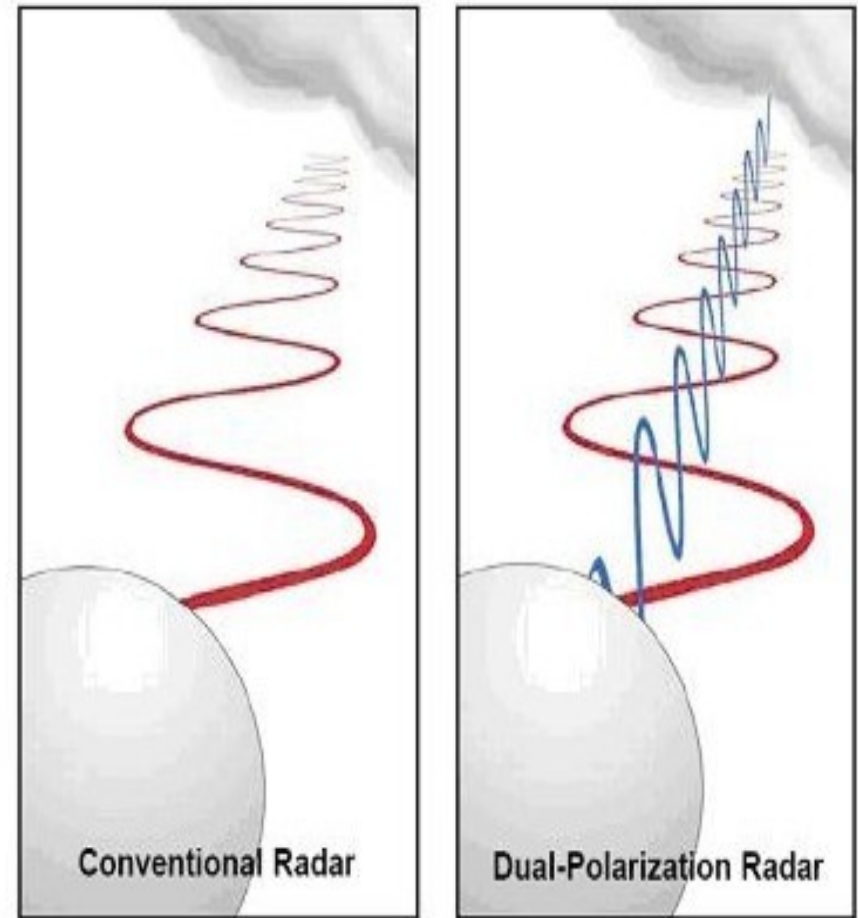
*STRATIS is investing in initiatives that support our customers.*



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## NOAA NEXRAD Dual Polarization Implementation

- World wide deployment program initiated in late CY-2010 with scheduled completion in mid 2013
- Upgrades the horizontally polarized NEXRAD radar system to a dual polarization system with horizontal and vertical polarization
- Upgrading 169 sites in the US and internationally





# Benefits of Upgraded NEXRAD Capabilities

- Provides greater data granularity than single polarization radar for the size, type, and density of precipitation (rain, hail, and snow)
- Significant benefit in the forecasting of thunderstorms and winter storms
  - Enables a view inside of the storm
  - More accurate precipitation level prediction
  - Observation of wind patterns in storm
- Solution leverages existing NEXRAD system to minimize development and implementation costs
  - State of the art technology increases system availability
- Benefits to Aviation:
  - Improved detection of icing conditions
  - Improved prediction of possible wind shear
  - Very cost effective option

“New dual-polarization technology will significantly improve NOAA weather products and services – specifically for heavy rain, winter storms and severe storms, including tornadoes. The new technology will also help detect hazards to aircraft such as icing conditions and birds.”

Jane Lubchenco  
NOAA Administrator  
August 23, 2012



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