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# NDT Training

Evaluating Needs in the U.S.

Prepared by AATA  
March 2018

MARKET STUDY – **EXCERPT ONLY**

# NDT Employment



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# What's the **Problem**?

There is a belief that the NDT industry faces a void of qualified technicians and inspectors.



**Is this belief valid?**

AATA recently conducted a **major study** to examine and answer this question.

# The Scope

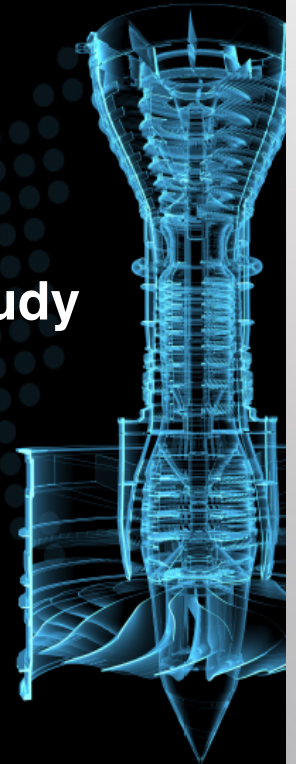


## Included in Analysis

- NDT employment by industry; aerospace and defense, automotive, construction and infrastructure, laboratories, oil and gas, shipbuilding, steel and foundry, power and utility, others.
- NDT net job growth forecast, as well as employment by certification, students by source, turnover and new placements.
- NDT training programs analyzed by number of active programs, type of program, and location.
- Types of NDT services offered by companies.
- Analysis of average compensation.

## Geographic Scope of Study

United States



# The Methodology



## Information Utilized

- Comprehensive research into relevant national secondary sources of info, desk and company research and on-line searches.
- Existing information obtained through prior research engagements.
- Primary research with selected NDT training providers, NDT service providers and NDT end users. Direct feedback from the industry was utilized to inform the estimates and forecasts presented in this study. The research group conducted phone interviews with questions tailored to each target group.
- Base year statistical analysis was conducted prior to forecast modeling in MS Excel.



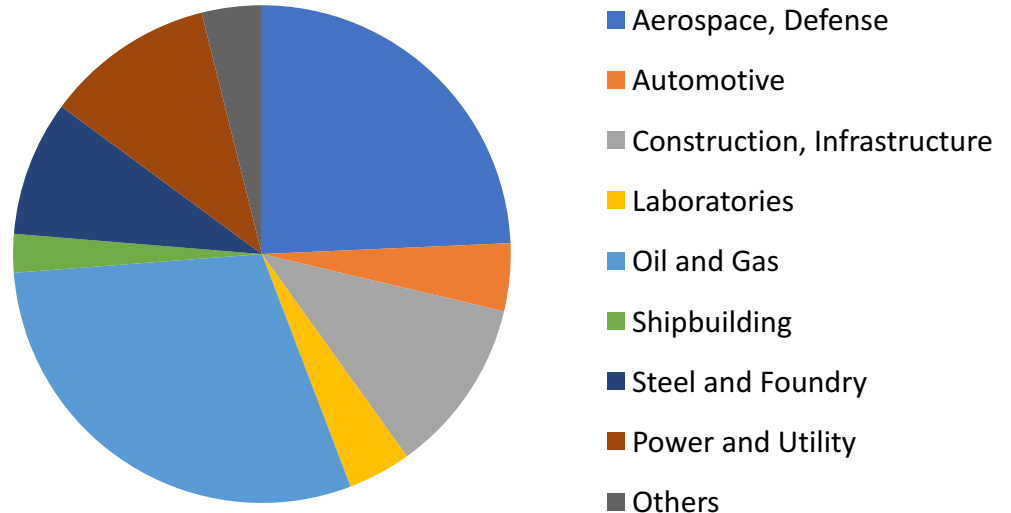
# NDT Employment



## By Industry

- **Net NDT job growth** is expected in all industries.
- **Aerospace, defense, construction and infrastructure** are forecast to increase share of NDT employment through 2027.
- **Oil and Gas** is still the single largest industry for NDT employment.
- Aerospace, Oil and Gas, and Power and Utility industries currently represent **nearly 65% of all NDT employment.**

Fig. 1  
U.S. NDT EMPLOYMENT BY INDUSTRY – 2017



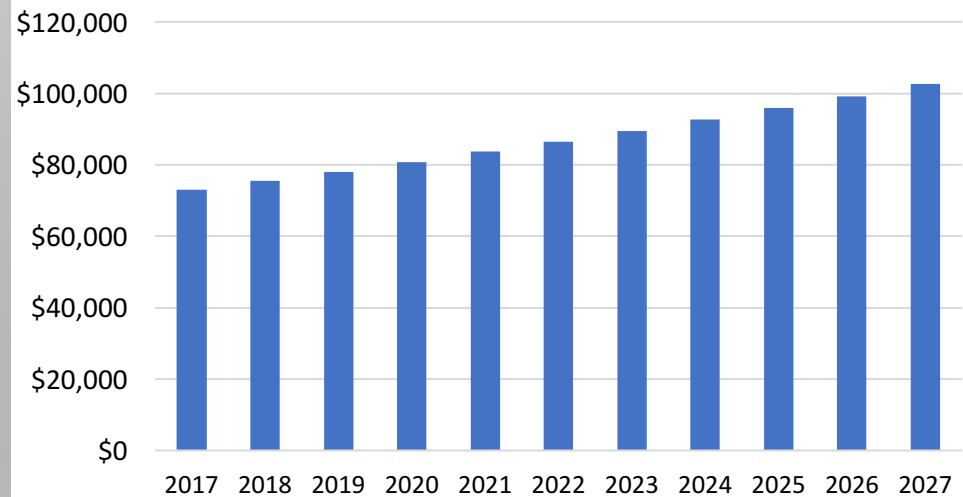
# NDT Average Compensation



## In U.S. (2017 – 2027)

- Average annual pay estimated at \$xx,xxx in 2017. (#s revealed in report.)
- Forecast to grow by a CAGR of 3.5% for years 2017 – 2027.
- Average pay forecast to reach \$xxx,xxx by the end of 2027. (#s revealed in report.)

FIGURE 10  
US NDT Average Compensation, 2017 - 2027



DEMAND FOR QUALIFIED TECHS COUPLED WITH LIMITED SUPPLY HAS LED TO A DECREASE IN THE NUMBER OF CONTRACTORS. While an overall decline in contractors is expected through 2027 (10% share in 2027), the decline would be more pronounced if not for a trend toward retirees re-entering the workforce as contractors.





# Thank you!

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