



APEX ITC

COMPANY PROFILE

Technical Inspection, Training & Consultancy



INSPECTION TRAINING AND CONSULTANCY



<https://apexitc.net/>



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ABOUT COMPANY

APEX ITC (Inspection, Training & Consultancy) was founded with the objective of advancing the science, technology, and application of Non-Destructive Testing and Engineering Inspection across industries.

We have trained thousands of professionals who are actively working in the fields of NDT, Engineering Inspection, and Quality Control across the globe.

Our mission is to provide quality training that empowers students to gain a clear insight into their chosen field — not just certification. Our courses have the perfect balance of classroom training, hands-on practicals, and rigorous examinations.



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MISSION

TO PROVIDE HIGH-QUALITY TRAINING THAT GOES BEYOND SIMPLE CERTIFICATION, ENSURING STUDENTS GAIN A CLEAR, PROFESSIONAL INSIGHT INTO THEIR CHOSEN FIELD OF ENGINEERING AND INSPECTION.

TO MAINTAIN PERFECT EQUILIBRIUM BETWEEN CLASSROOM INSTRUCTION, HANDS ON PRACTICAL EXPERIENCE AND RIGORIOUS EXAMINATIONS TO PRODUCE INDUSTRY READY PROFESSIONALS.

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VISION

To be a leading force in the advancement of science, technology, and the practical application of Non-Destructive Testing and Engineering Inspection across global industries.

To build a world-class community of trained professionals who provide the highest quality inspection and consultancy services, ensuring safety and integrity on a global scale.

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SERVICES

Ultrasonic Testing

Magnetic Particle
Testing

Penetrant Testing

Radiographic Testing

PMI / Material Analysis

Hardness Testing

POST WELD HEAT TREATMENT



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OUR QUALITY POLICY

We, at APEX ITC, shall ensure customer delight through delivering world class quality services by maintaining cost competitiveness through continual improvement of our Quality Management System, professional services of Non-Destructive Testing, Material Testing, Training & Certification, Consulting, Trading and other Quality Services thereby minimizing the impact on environment, reducing occupational health hazard and safety risk.

We as a team & individuals commit ourselves to:

- Assure quality in all our processes
- Quality execution through Quality Management Systems at all levels
- Function along with our supply chain to achieve our objectives
- Conservation of Energy & Resources
- Periodic Review of Inspector Performance for continuous improvement
- Providing Training To All Inspectors In Accordance With Approved Procedures, Latest Codes & Standards.



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COURSES OFFERED



UT

ULTRASONIC TESTING
LEVEL I & II

MT

MAGNETIC PARTICLE TESTING
LEVEL I & II

PT

PENETRANT TESTING
LEVEL I & II

RT

RADIOGRAPHIC TESTING
LEVEL I & II

INSPECTION TRAINING AND CONSULTANCY



NDT Inspection facilities at APEX ITC

1.Ultrasonic Testing:



Ultrasonic testing (UT) is carried out for evaluating the internal soundness of many engineering products made of steels and other metals and nonmetals processed through Casting, forging, rolling, extrusion, drawing and other modern processing techniques. Ultrasonic inspection is also extensively being used for evaluating the quality of welds, in-service inspection of critical process equipments, storage tanks, cross country pipelines, pressure vessels and assemblies. APEX ITC is fully equipped with calibrated, latest DAC Ultrasonic equipments, qualified, certified and experienced Level I, II technicians, ASNT NDT level IIIs, experts to carry out these tests and other related services within the shortest possible response time.

2.Magnetic Particle Testing:

Magnetic particle testing (MT) also called as magnetic crack detection, Magnetic particle inspection (MPI) is one of the most effective method for finding both surface and subsurface or near surface flaws in ferrous materials at various stages of manufacturing. APEX ITC experienced teams have highly skilled professional inspectors, portable type of equipments suitable for high productivity inspections and field tests and NDT Level III experts to provide consultation, technique establishing, procedure preparation and related services



3.Liquid/Dye PenetrantTesting:



Liquid Penetrant Testing (PT) also called as Dye penetrant testing (DPT) is widely for detecting surface opened flaws in critical engineering components, weldments and structures. 'APEX ITC has experienced certified inspectors and technicians for carrying out these tests effectively, ASNT NDT Level IIIs for establishing techniques and preparing procedures. The material testing laboratory is equipped to facilitate inspections especially suitable for, nuclear, automobile and other critical components inspection with established and qualified procedures.

4. Radiography:

Radiography is carried out using X-rays or Gamma rays. Radiographic testing (RT) is one of the most reliable and widely used NDT methods in industries. Works on the principles of differential absorption of radiation, radiography is used to detect internal flaws in castings and welds. Additional advantage with Radiography is the availability of permanent record for future reference. APEX ITC has experienced Level 1, 2, 3 professionals to carry out the tests and interpretations accurately.



5. Visual Testing:



Visual testing (VT) is one of the oldest and most widely used NDE methods to derive a multitude of useful information from a variety of material characteristics and properties. Visual examination is used in all stages of manufacturing and fabrication as a means of verifying conformance to standards and ensuring the quality levels are met and maintained in the final product.

6. POST WELD HEAT TREATMENT:

We are offering industrial heat treatment services and we are familiar with various types of heat treatment procedures and services like-pre-heating, post-heating, stress relieving(SR), intermediate SR. We perform industrial heat treatment of material like CS, MS,P9, P11, P22, P91 etc. We are capable of doing heat treatment of jobs having of different diameters from. We carry out heat treatment of equipments like regenerator, stripper column, pressure vessel, boiler headers, modules, deck pipeline and structure, boiler heater tube, etc.



7. Hardness Testing:



Hardness testing methods measure a material's resistance to permanent indentation, scratching, or abrasion. Standardized tests use a specific indenter (diamond, carbide, or steel ball) pressed into the sample under a known load to evaluate the material's durability, strength, and suitability for various applications. APEX ITC has experienced certified inspectors and technicians for carrying out these tests effectively, ASNT NDT Level IIIs for establishing techniques and preparing procedures.

8. Positive Material Identification or PMI:



Positive Material Identification or PMI is the non-destructive analysis of a metallic alloy to identify the constituent elements and their quantities. To ensure product or alloy quality as per requirement, PMI or Positive Material Identification testing provides a quick solution. PMI is an on-the-spot (on-site) examination method and is highly beneficial for projects where there is a possibility of a material mix-up. To verify the compliance of material certificates of composition, positive material identification is increasingly used in various industries.



Training & Certification

Training is in fact integration of human resources and technology. The technology transfer must consider how information, directions and instructions shall be translated in the minds of trainees. This will involve presenting basic principles, theory and contents of the training programmers in such a way that these may not only be easily understandable but trainees shall be able to adopt them. One of the fundamentals of training is that people learn better when they can connect what is taught to their own experience; therefore, practical on-job training has gained importance in the training programmers. Training system for NDT at APEX ITC has been designed in such a way that theory is blended with on-job practical training.

- Training of NDT personnel for industry requires
- Selection of the inspection technique for revealing critical defects
- Performance of test procedures at the required level of expertise
- Management of equipment, personnel and materials to ensure consistent performance

Training and certification of personnel have been standardized. Both national and international standards give details of educational qualifications, training programmers and method of certification. According to these standards a person considered for certification in NDT shall have sufficient education and experience to ensure understanding of principles and procedures in each method.

- In general, these personnel have been categorized into three levels
- Level I – Certified to carry out the specific NDT test method
- Level II- Certified to test and analyse as per relevant standards, codes, specifications



Strictly adhering to the quality systems, APEX ITC Institute of NDT Technology is a leading professional institute in India for its training and certification programs in NDT. The Institute is conducting regular and specialized NDT Level I, II training courses as per ASNT Recommended practice SNT-TC-1A and welding inspection programs. Tailor made personalized training courses can also be designed and organized as per the specific requirements of the client.

The institute is committed to direct towards right performance of customer operations by human resource development. For assistance in maximizing quality production, reduction of crisis and lowering the prime cost of production with trained and certified in-house personnel, we encourage you to undergo the training and certification courses. Our trainers have sound experience in NDT. In addition, the training institute has highly qualified and well experienced faculty for training. Our faculty includes ASNT Level IIIs, metallurgists, T-K-Y joints testing experts. Introduction to welding & welding defects are taken care by AWS-CWI, CSWIP 3.1 Certified Welding Inspectors. Radiographic test film interpretation (RTFI) is taken care by certified NDT Level III with more than 15 years' experience as RTFI.



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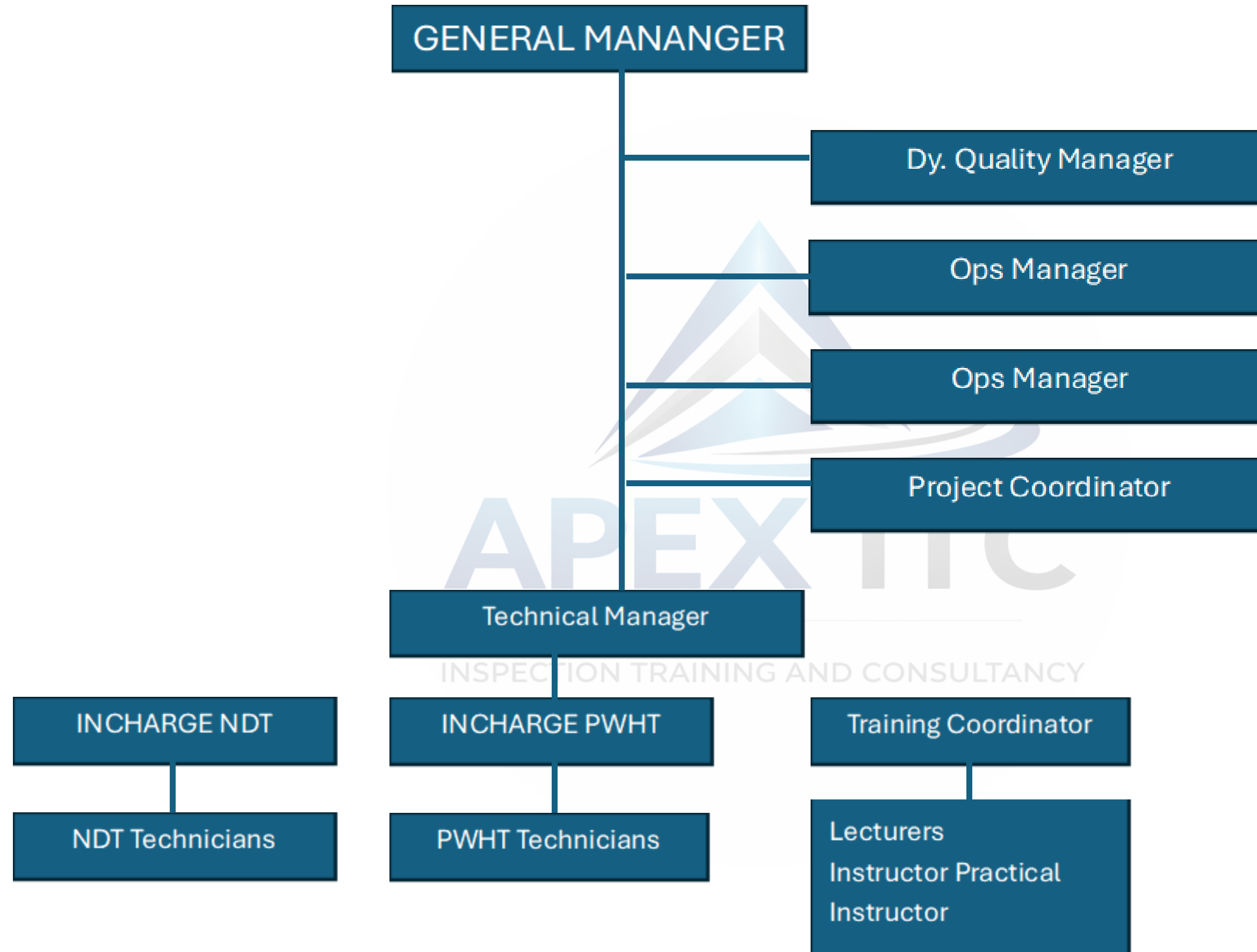
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EQUIPMENTS

S No	Name Of Equipment	UOM	QTY
1	Ultrasonic equipment with recorder (make:Modosonic)	No's	3
2	Thickness guaging with (make:Modosonic)	No's	3
3	Thickness guaging with (make:Cygnus)	No's	2
4	PWHT with recorder	No's	8
5	Calibration or Demonstration Blocks	No's	8
6	MPT Yoke with accessories	No's	3
7	PT with accessories	No's	-
8	RT Camera(Make: Rolli I,II)	No's	2
9	PMI	No's	1
10	HARDNESS TESTING	No's	2



Organisation Chart





APEX ITC

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APEX ITC



THANK YOU

Get to know our company through this short presentation



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