

Course Title: Artira Technician (Level 3)
Provider/Sponsor: Garaventa Lift Inc.
7505 134A Street
Surrey, British Columbia, Canada
V3W 7B3

Program Administrator: James Begg
Technical Training Manager & Instructor
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Overview:

The successful completion of Level 3 Garaventa Technical training give the student the skills and knowledge to successfully install, maintain and repair the subject lift. Through lecture, videos, and hands on labs, students are exposed in detail to the correct procedures and techniques for safe operation of the subject equipment.

Duration: 10.0 hours instructional time (not including meal/refreshment breaks)

Requirements of Certification:

1. Attendance of full lecture and lab sessions
2. Safe participation in lab assignments
3. Written examination with a score of 70% or greater

Evidence of Attendance: Daily sign in sheets certified by instructor

Certificate of Completion:A sample is attached as Exhibit "A" hereto

Administration of Records:

Registration, attendance and examination records are maintained by Garaventa Lift Technical Training and are kept for 10 years from date of certification. Contact the Program Administrator for inquiries.

Instructors: Garaventa Lift certifies that the below listed, NAEC registered instructors are suitable, qualified and experienced to present the course content:
James Begg, Desmond Mullin

NAEC CAT/CET Certification: Yes, CET 8 CE Credits; CAT 8 CE Credits

Course Materials:

In addition to Power Point presentations, the following documents are delivered in the course language electronically in PDF format. The current published revision at the time of the course is the one delivered:

Artira Design & Planning Guide	Artira Installation Manual
Artira Repair Manual	Artira Troubleshooting Guide
Currently Active Field Procedures	Artira Maintenance Manual
Artira Owner's Manual	Currently Active Technical Bulletins
Artira Installation Video	Schematics & Wiring Diagrams

Course Outline:

1. Product/Model introduction
 - a. General Identification of Components
 - b. Terminology and Documentation
 - c. Applications & Use
 - d. General Features & Options
 - e. Safety Features & Standard Operation
 - f. Historical Models
2. Site requirements & Preparation
 - a. How to measure
 - b. How to specify features
 - c. Verification of Shop Drawings and As Built
3. Lift Installation & Standard Operation
 - a. Overview of procedures
 - b. Safety Systems & Features
 - c. Tools, techniques & tips (Hands On)
 - i. Mechanical Systems
 - ii. Electrical System
 - iii. Controls
 - d. Common errors
 - e. Commissioning and Testing
 - f. Handover & User Training
4. Regular Maintenance
 - a. Checklists & Documentation
 - b. Common field procedures
 - c. Tools, Techniques & Tips
 - d. Consumables
 - e. Historical Models
5. Troubleshooting & Repair
 - a. Tools, techniques & tips (Hands On)
 - i. Mechanical Systems
 - ii. Electrical System
 - iii. Controls
 - b. Common faults & resolutions
 - c. Parts Identification
6. Support Resources
 - a. Dealer Support Site
 - b. Garaventa Technical Support
 - c. Field Procedures
 - d. Document Updates
 - e. Technical Bulletins