



Aptella
ACADEMY

**CUSTOMER DEVELOPMENT
& TRAINING COURSES**

Aptella
AUTOMATION +
POSITIONING TECH

Academy Academy Training

Maximise Your Technology Investment. Empower Your People.

Technology is only as powerful as the people using it. That's why investing in training is one of the most effective ways to improve productivity, increase operator confidence, and maximise the return on your technology investment.

Aptella Academy delivers practical, hands-on training designed to help users of all experience levels build the skills they need to work safely, efficiently, and confidently. Whether you're onboarding new team members, refreshing existing knowledge, or developing advanced workflows, our courses provide real-world learning that can be applied immediately.

Our training covers a wide range of positioning, machine control, surveying, and construction technology solutions, including software workflows, field operations, system maintenance, troubleshooting, and best practice techniques.

Need something tailored to your business? We also offer customised training programs designed around your equipment, workflows, and operational goals—delivered at your site, online, or at one of our training facilities.



Academy Academy Training

Our experienced trainers help your team build the skills and confidence to get the most from your technology. Whether you're new to a system or looking to refine advanced workflows, our training is designed to improve productivity, reduce downtime, and support successful project delivery.

Every course is tailored to the technologies you use and the industries you work in, ensuring practical, relevant learning that can be applied immediately in the field.

We believe the best training combines expert instruction with hands-on experience. That's why Aptella Academy courses balance essential theory with real-world practical exercises, giving participants the knowledge and confidence to work efficiently and independently.

Training Delivery Options

- > On-site training at your workplace
- > Instructor-led classroom training at Aptella facilities
- > Instructor-led training at your office or project site
- > Live online instructor-led training
- > Self-paced eLearning courses
- > Customised training programs tailored to your business

Included with Every Course

- > Practical, hands-on learning
- > Experienced industry trainers
- > Course resources and reference material
- > Certificate of Completion Accreditation issued through Aptella Academy





Survey & Set Out

Construction Set-Out

This practical, hands-on course is designed to give participants the knowledge and confidence to efficiently perform construction set-out using Topcon Layout Navigator (LN-150/160), GT Series Robotic Total Stations and MAGNET Field software.

Participants will learn the complete workflow—from preparing project data through to accurately setting out points, lines and building features in the field. The course also covers best-practice equipment setup, orientation methods, common troubleshooting techniques and quality assurance procedures to ensure accurate results on every project.

With a strong focus on real-world applications, attendees will complete practical exercises that simulate common construction scenarios, allowing them to immediately apply the skills learnt back on site.

By the end of the course, participants will be able to confidently operate their equipment, complete common set-out tasks, verify completed work, and understand best practices for maintaining accuracy and productivity.



Book a course online today!

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Concreters
- > Plumbers
- > Builders
- > Construction Supervisors/ Foremen
- > Site Champions
- > Building Contractors
- > Designers
- > Survey Technicians

The Course Objectives Include:

- > Understand the components and functionality of the Topcon LN-150/160 and GT Robotic Total Station
- > Connect MAGNET Field to the instrument and establish communication
- > Import and manage design files and point data
- > Understand coordinate systems and project control requirements
- > Perform instrument setup using Occupy Point and Reference Point methods
- > Complete orientation checks and verify instrument accuracy
- > Layout points, lines, strings and other construction features
- > Perform as-built surveys to validate completed works
- > Identify and resolve common setup and operational issues
- > Apply best-practice workflows to improve productivity and reduce errors

Basic GPS Rover Operator

This introductory course is designed for all users who are new to Pocket 3D or looking to build confidence using Topcon GNSS solutions in the field.

Participants will develop the practical skills required to confidently set up and operate their equipment, manage project data, localise to site control, complete surveying tasks, perform construction stakeout, and verify earthworks using cut/fill checks. The course focuses on establishing efficient workflows that improve productivity, accuracy, and confidence in day-to-day site operations.

A strong emphasis is placed on practical learning, with participants completing real-world field exercises using Pocket 3D and Topcon equipment.



Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Grade Checkers
- > Field Technicians
- > Supervisors/Formen
- > Surveyors
- > Site Champions
- > Technical Specialists

The Course Objectives Include:

- > Navigate and understand the Pocket 3D interface
- > Configuring Pocket 3D to be used with GNSS hardware & Total Stations
- > Create, manage, and organise project files
- > Import and export project, design, and survey data
- > Jobsite localization workflows and verify project positioning
- > Conduct surveying procedures with Pocket 3D
- > Complete stakeout tasks using design information
- > Cut/fill checks and surface verification tasks
- > Understand common troubleshooting steps and workflow checks
- > Confidently apply Pocket 3D functionality in day-to-day field operations
- > Offer hands-on experience through practical exercises

Advanced GPS Rover Operator

The Advanced Pocket 3D course is designed for experienced users who have mastered the core functionality of Pocket 3D and are looking to expand their knowledge of advanced field and office workflows. Building on the skills developed in the introductory course, participants will learn techniques that improve productivity, enhance data accuracy, and maximise the value of their Topcon positioning technology.

The course places a strong emphasis on project data preparation and management, demonstrating how to use office software to review, validate, convert, and optimise design files before they are deployed to the field. Participants will also explore advanced Pocket 3D functionality, including complex site localisation, road and trench stakeout, volume calculations, as-built reporting, and advanced coordinate system management.

Delivered through a combination of instructor-led demonstrations and practical, real-world exercises, this course provides participants with the confidence to manage more complex construction and surveying projects while improving workflow efficiency, reducing rework, and producing reliable project deliverables.



Book a course online today!

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Surveyors
- > Civil Engineers
- > Project Managers
- > Site Champions
- > Technical Specialists
- > Experienced Pocket 3D Users

The Course Objectives Include:

- > Pocket3D Files
- > 3D Office Software
- > Road/Trench Design
- > As-built Reporting
- > Advanced Coordinate Systems
- > Pocket3D Road Stakeout
- > Pocket3D Volumes
- > Offer hands-on experience through practical exercises



Total Station Operation

This course is designed to provide participants with the practical skills and confidence required to safely and accurately operate Topcon Total Stations in surveying and construction environments. Suitable for new and existing users, the course covers the fundamental principles of total station operation, equipment setup, measurement techniques, and best-practice field workflows.

Participants will learn how to correctly set up and configure a total station, perform accurate angle and distance measurements, establish instrument orientation, and collect reliable survey data for construction set-out and as-built applications.

The course also introduces common field procedures, quality assurance techniques, and basic troubleshooting to help users achieve consistent and accurate results. With a strong emphasis on practical learning, participants will complete instructor-led field exercises using Topcon Total Stations to reinforce the concepts covered throughout the day.



Book a course online today!

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Surveyors
- > Survey Assistants/Technicians
- > Civil Engineers
- > Site Champions

The Course Objectives Include:

- > Identify the components, functionality, and capabilities of Topcon Total Stations
- > Correctly set up, level, and orientate the instrument
- > Perform accurate angle and distance measurements using both prism and reflectorless measurement methods
- > Collect, store, and manage survey observations
Perform basic construction set-out and as-built measurements
- > Apply quality assurance checks to verify measurement accuracy
- > Develop efficient field workflows that improve productivity and measurement confidence
- > Gain practical, hands-on experience through real-world surveying exercises

MAGNET Software Courses

MAGNET Office Courses

Introduction to MAGNET Office

This introductory course is designed for new and existing MAGNET Office users looking to build confidence using the software's core workflows. Participants will learn how to efficiently import, manage, process, and visualise survey and design data while developing best-practice workflows for surveying, civil construction, and machine control projects.

Through a combination of instructor-led demonstrations and practical exercises, attendees will gain the skills to confidently navigate MAGNET Office, configure project settings, create and edit Digital Terrain Models (DTMs), and produce accurate project outputs. By the end of the course, participants will be equipped to work more efficiently, improve data quality, and maximise the value of their survey and design information.

The Course Objectives Include:

- > Navigate the MAGNET Office interface and menu structure
- > Configure user and project settings
- > Import and export survey and design data
- > Create and edit Digital Terrain Models (DTMs)
- > Generate contours and surface models
- > Use 2D and 3D visualisation and plotting tools
- > Apply efficient workflows for managing survey and design data

Survey Procedures and Computations

The Survey course is designed for existing MAGNET Office users who have a strong understanding of survey graphics, data entry, triangulation, contouring, and survey plotting workflows. Building on the knowledge gained through the Introduction Module, this course explores advanced MAGNET Office tools and techniques to help users maximise the capabilities of the software.

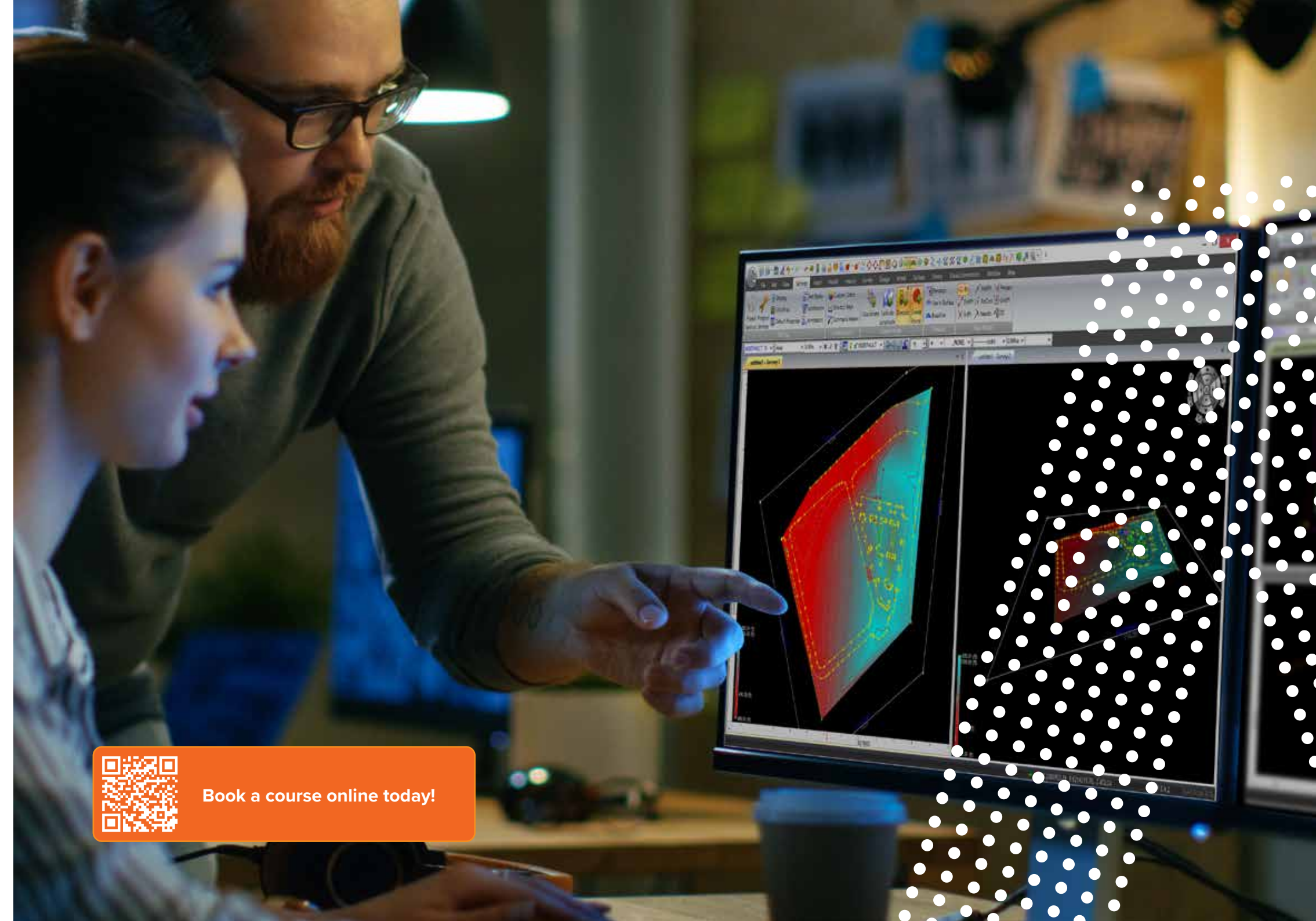
Participants will learn how to manage complex survey datasets, apply advanced coding and adjustment workflows, perform volume calculations, and create detailed designs for construction and development projects. The course provides practical experience with advanced features that improve data accuracy, streamline workflows, and enhance project deliverables.

The Course Objectives Include:

- > Apply advanced survey coding techniques and workflows within MAGNET Office
- > Utilise adjustment routines to improve survey accuracy and data integrity
- > Manage advanced data import and export workflows
- > Calculate volumes using multiple methods
- > Create structures and platform designs for construction set-out
- > Develop subdivision designs using advanced line and design options



Book a course online today!



Introduction to Road Design

Building on foundational MAGNET Office knowledge, this course guides participants through a complete road design process, from initial data preparation and alignment creation through to surface modelling, design refinement, plotting, and exporting data for construction use.

The Course Objectives Include:

- > Extracting information for Road design
- > Becoming familiar with the road's module interface and option
- > Designing a profile and its associated options
- > Creating a design surface including templates, batters, super and subgrade
- > Updating the new design information for export to machines for construction

Advanced Road Design

Participants will learn advanced techniques for managing complex civil design projects, including road reconstruction, resurfacing and rehabilitation projects, and detailed intersection design. The course focuses on developing efficient workflows to create accurate designs that support modern civil construction and machine control requirements.

The Course Objectives Include:

- > Apply advanced road design tools and workflows within MAGNET Office
- > Develop and manage complex road reconstruction projects
- > Create road resheeting and rehabilitation designs
- > Understand advanced intersection design workflows
- > Design and manage kerb returns, roundabouts, and cul-de-sac layouts

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours
Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Surveyors
- > Civil Engineers
- > CAD technicians
- > Technical Specialists
- > Project Designers
- > Project Managers



Book a course
online today!

Drafting in MAGNET Office

Whether you are new to MAGNET Office drafting tools or looking to improve your existing workflows, this course will guide participants through the key drafting functions required to prepare accurate, clear, and consistent project documentation. Attendees will learn how to configure drafting settings, create company-standard drawing templates, add design information, apply annotations, and produce professional plots suitable for project delivery.

The course focuses on practical, real-world applications, including preparing survey plans, construction documentation, and design outputs ready for client submission or project use. Participants will gain confidence in using MAGNET Office Drafting tools to create polished and accurate drawings while reducing manual drafting time.



Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

4 hours
Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Draftsmen
- > Project Designers
- > Civil Engineers
- > Architects
- > CAD Technicians
- > Surveyors

The Course Objectives Include:

- > Understand the MAGNET Office Drafting environment and available drafting tools
- > Configure drafting preferences and project settings
- > Create and manage company-standard title block files
- > Customise drawing layouts and presentation settings
- > Utilise plot window options and output configurations
- > Apply annotations, text, labels, dimensions, and drafting elements

Digital Plan Lodgement ePlan

The Digital Plan Lodgement ePlan (MAGNET Office) training course provides participants with comprehensive knowledge and hands-on experience in utilizing the ePlan module within MAGNET Office software for digital plan lodgement. The course covers essential concepts, tools, and workflows required to effectively manage and submit digital plans for approval and review processes.



Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours
Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

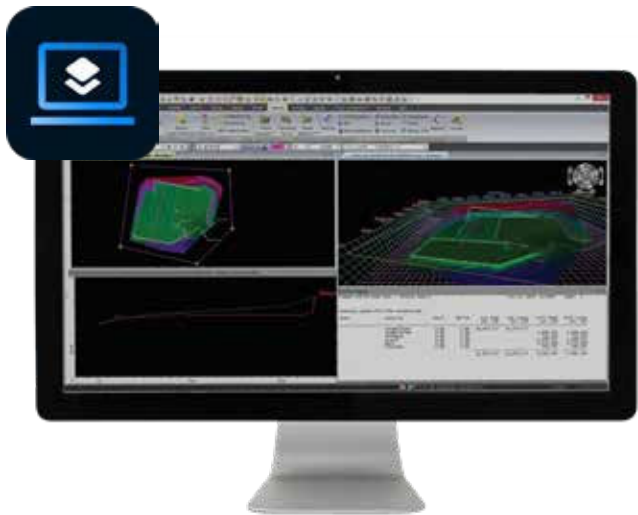
- > Draftsmen
- > Surveyors
- > Local Government Asset Managers
- > Utility Company Asset Managers
- > GIS Specialists

The Course Objectives Include:

- > Entering in subdivisions
- > Perfecting layer control to benefit the submissions process
- > Adding in the correct attributes to align with the local government schema
- > Creating and editing an XML file to submit to the Local Lands Department

Introduction to ADAC Manager

This course provides the ability to empower the learner in understanding the requirements and best practice for producing ADAC XML files from the MAGNET Office software using ADAC manager. By increasing the knowledge around the speed of the ADAC manager, the amount of hours required to produce an ADAC XML file will be reduced.



Book a course online today!

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

4 hours
Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Draftsmen
- > Surveyors
- > Local Government Asset Managers
- > Utility Company Asset Managers
- > GIS Specialists

The Course Objectives Include:

- > Basic understanding of the ADAC specification.
- > Becoming familiar with the ADAC manager interface.
- > Basic understanding of project, cadastre, sewerage, stormwater, transport, and water ADAC features.
- > Ability to export an ADAC XML file.
- > Ability to validate an ADAC XML file.

MAGNET Field Courses

Basic Surveying with MAGNET Field

The Basic Surveying with MAGNET Field course is designed for entry-level users with little or no previous experience using MAGNET Field or Topcon field solutions. This introductory course provides participants with the essential knowledge and practical skills required to confidently complete common surveying tasks in the field.

Throughout the course, participants will learn the fundamentals of MAGNET Field workflows, including equipment setup, software configuration, project management, data import and export, feature surveying, and construction set-out. The training focuses on developing efficient field workflows that improve accuracy, productivity, and confidence when using Topcon positioning equipment.



Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Surveyors
- > Site Champions
- > Field Technicians
- > Civil Engineers
- > Survey Assistants

The Course Objectives Include:

- > Navigate the MAGNET Field interface and customise user settings
- > Create and manage jobs and configure projects for field hardware
- > Connect and configure GNSS receivers and Total Stations
- > Import and export basic survey and design data
- > Manage points, codes, layers, and field data
- > Use data viewing and verification tools to check survey information
- > Complete basic feature surveys and data collection workflows
- > Perform construction set-out tasks using design information

Engineering Survey and Setout

Building on the skills developed in the Basic Surveying course, participants will explore advanced MAGNET Field functionality used in engineering surveying, construction set-out, and quality assurance applications. The course focuses on complex field workflows, including road design and set-out, advanced feature and attribute collection, as-built reporting, volume calculations, coordinate transformations, and field diagnostics.

Through instructor-led demonstrations, practical field exercises, and real-world project scenarios, participants will develop the confidence and skills required to efficiently manage more complex surveying tasks. Attendees will learn how to optimise their workflows, improve data accuracy, and maximise the value of their Topcon positioning technology.



Book a course online today!

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Surveyors
- > Civil Engineers
- > Site Champions
- > Technical Specialists

The Course Objectives Include:

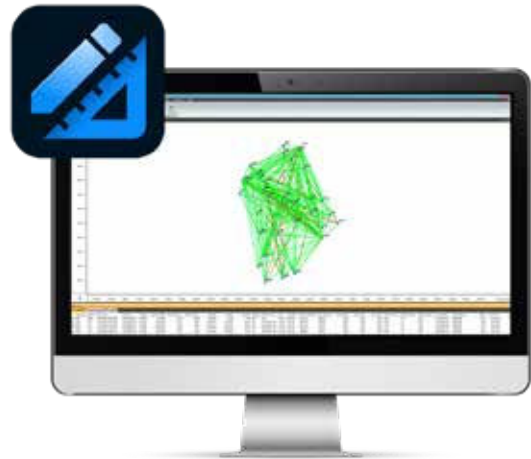
- > Utilise advanced MAGNET Field features and workflows for engineering surveying applications
- > Perform advanced construction set-out tasks using design information
- > Complete road design and alignment set-out workflows
- > Capture detailed feature surveys with attributes and coding
- > Create and manage as-built reports for quality assurance and project verification
- > Perform volume calculations and compare surface information
- > Apply coordinate transformations and advanced positioning workflows

MAGNET Tools Courses

Post Processing Data & Adjustment

MAGNET Tools supports a wide range of Topcon field data formats, including digital levels, Total Stations, RTK GNSS, static GNSS, and GIS data. This course guides participants through the complete workflow of importing, verifying, processing, and adjusting survey observations to produce accurate and reliable project outputs.

Through instructor-led demonstrations and practical exercises, participants will gain hands-on experience managing raw field data, applying processing and adjustment techniques, reviewing results, and generating professional reports. The course is ideal for users looking to improve data quality, streamline office workflows, and maximise the value of their Topcon surveying technology.



Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

4 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

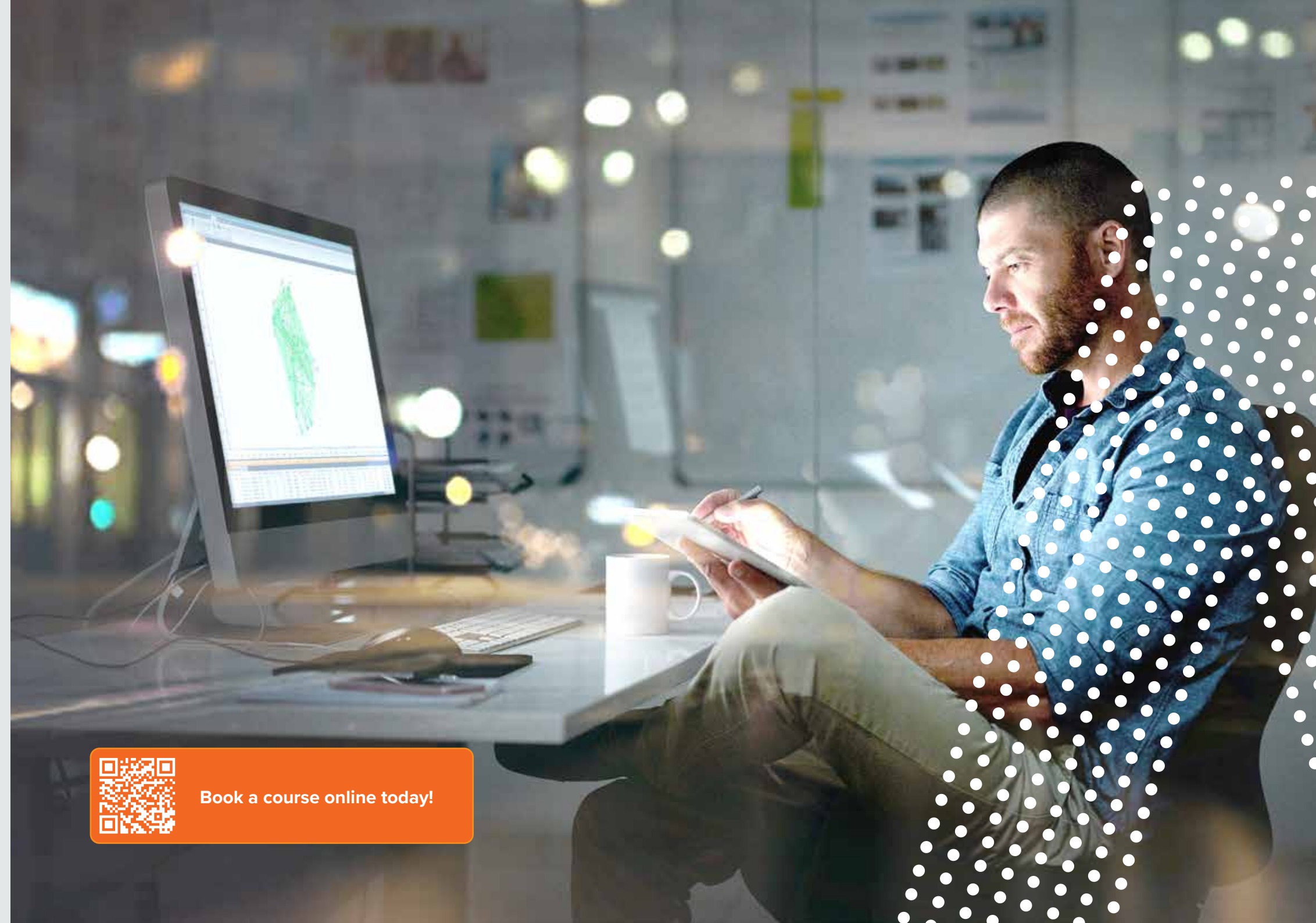
- > Land Surveyors
- > Project Designers
- > Civil Engineers
- > CAD technicians
- > Draftsmen

The Course Objectives Include:

- > Navigate the MAGNET Tools interface and menu structure
- > Understand supported Topcon raw data formats and workflows
- > Import and manage GNSS, Total Station, digital level, and GIS data
- > Review and verify field observations before processing
- > Apply processing and adjustment tools to improve data accuracy
- > Manage GNSS baseline processing and adjustment workflows
- > Visualise and analyse survey data using different display options
- > Generate reports and export processed data for project use



Book a course online today!



Machine Control Courses

3D Machine Operators

The course provides participants with a strong understanding of the key components that make up a machine control system and how they work together to improve accuracy, productivity, and efficiency. Participants will learn the fundamentals of GNSS positioning, system setup, machine calibration, and daily operating procedures required to achieve reliable results in the field.

Throughout the course, attendees will complete practical exercises using machine control simulators, focusing on data management, machine setup, calibration procedures, and core 3D Machine Control (3DMC) workflows. These hands-on activities reinforce key concepts and provide participants with the confidence to operate and support machine control systems effectively.



Book a course online today!

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Field Technicians
- > Machine Operators
- > Site Foremans/Supervisors
- > Survey Assistants
- > Project Managers
- > Technical Specialists

The Course Objectives Include:

- > Understand GNSS positioning fundamentals
- > Components and functionality of a machine control system
- > Understand 2D and 3D machine control workflows
- > Navigate the 3D Machine Control (3DMC) interface
- > Manage and prepare design data for machine control
- > Complete machine setup procedures and understand calibration requirements
- > Perform basic and advanced 3DMC operating functions

mmGPS Training

This course introduces the principles behind mmGPS positioning, system components, setup procedures, calibration requirements, and best-practice workflows for achieving accurate machine positioning and grade control. Participants will learn how mmGPS technology integrates with machine control systems to improve accuracy, productivity, and efficiency on complex construction projects.

Through a combination of instructor-led demonstrations and practical exercises, attendees will gain hands-on experience configuring, calibrating, and operating mmGPS systems.



Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Machine Operators
- > Site Foremans/Supervisors
- > Site Survey Team Members
- > Project Managers
- > Technical Specialists
- > Civil Engineers
- > Site Champions
- > Field Technicians

The Course Objectives Include:

- > Understand the principles and benefits of mmGPS technology
- > Identify mmGPS system components and understand their functionality
- > System capabilities, operating tolerances, and accuracy considerations
- > Complete mmGPS setup and calibration procedures
- > Understand the relationship between mmGPS, GNSS, and machine control systems
- > Apply best-practice workflows to maximise system performance

MC-Mobile Operator Training (Pocket - 3D/3DMC)

MC-Mobile provides a flexible solution for compact equipment and construction applications, enabling users to perform accurate layout, create in-field designs, verify completed works, and improve productivity directly from the machine or field environment.

Throughout the course, participants will receive hands-on instruction covering MC-Mobile system setup, configuration, data management, and daily operating workflows. Attendees will learn how to utilise the Pocket 3D and 3DMC v15 interfaces to complete common construction tasks, manage project information, and apply efficient workflows.



Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours
Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Concreters
- > Plumbers
- > Builders
- > Landscapers
- > Owner Operators
- > Specialised Utility Contractors
- > Construction Supervisors/Foremen
- > Machine Operators
- > Field Technicians

The Course Objectives include:

- > Understand the fundamentals of MC-Mobile technology and its key benefits
- > Identify MC-Mobile system components and understand their functionality
- > Configure and set up MC-Mobile for field applications
- > Navigate the Pocket 3D and 3DMC v15 interfaces
- > Perform layout and in-field design tasks
- > Manage project data and optimise job workflows
- > Complete basic verification and quality control checks
- > Apply MC-Mobile workflows to improve productivity and reduce rework



Book a course online today!



Total Station Machine Control (LPS)

Topcon's Local Positioning System (LPS) provides an advanced machine control solution for applications where GNSS coverage is limited or unavailable, such as areas with restricted sky visibility, deep excavations, enclosed work zones, or complex construction environments. By utilising a robotic Total Station for machine positioning, LPS delivers highly accurate positioning and grade control to improve productivity, reduce rework, and maintain consistent construction outcomes.

This course provides participants with a comprehensive understanding of LPS technology, including system components, setup procedures, calibration, machine positioning, data management, and daily operating workflows. Participants will learn how to optimise system performance, verify accuracy, and apply best-practice techniques to achieve reliable machine control results.



Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

5 - 6 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Surveyors
- > Machine Operators
- > Site Foremans/ Supervisors
- > Site Champions
- > Project Managers
- > Technical Specialists

The Course Objectives Include:

- > Understand the principles and applications of Topcon Local Positioning System (LPS) technology
- > Identify LPS system components and understand how they work together
- > Complete total station setup, machine configuration, and calibration procedures
- > Verify system accuracy and perform quality control checks
- > Understand high-precision machine control workflows and applications
- > Manage and prepare project data for LPS machine control operations
- > Identify common operational issues and apply basic troubleshooting methods

3D Data Management (3D Office)

This course focuses on the complete 3D data workflow, including importing, reviewing, editing, validating, and exporting design information for use in the field. Participants will learn how to efficiently manage project data, optimise design files, and ensure accurate information is transferred between the office and construction site.

Ideal for new and existing users, this course provides practical experience working with 3D Office tools and workflows. Through instructor-led demonstrations and hands-on exercises, participants will develop the confidence to prepare reliable construction-ready data and improve the efficiency of their project delivery processes.



Book a course online today!

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

4 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Surveyors
- > Designers
- > Civil Engineers
- > Foremans/Supervisors
- > Technical Specialists

The Course Objectives Include:

- > 3D Office interface and key software functions
- > Topcon design data formats and applications
- > Import and manage design data
- > Review, analyse, and verify 3D design information
- > Edit and modify design data to meet project requirements
- > Create and manage project surfaces and design models
- > Validate data accuracy before field deployment
- > Prepare and export design files for machine control and field applications

Preventative Maintenance Training Package

Your machine control technology is a critical part of your operation. Keeping systems correctly maintained, calibrated, and operating at peak performance is essential to achieving accurate results, improving productivity, and reducing costly downtime.

The Aptella Preventative Maintenance Training Package empowers your team with the knowledge and practical skills required to proactively maintain machine control systems and supporting technology assets. Through hands-on training and practical maintenance workflows, participants will learn how to identify potential issues early, perform routine inspections, and maintain system performance in the field.

Training Package Includes

Machine Inspection Checklists

Comprehensive checklists to guide regular equipment inspections.

Spare Parts & Maintenance Kits

Access to recommended spare parts and maintenance resources specific to your machine control installation, ensuring your team is prepared to address common issues quickly.

Training Resources

Access to training materials and resources to support ongoing learning, knowledge sharing, and future maintenance activities.

Practical Hands-On Training

Real-world training using your equipment and workflows, allowing participants to develop confidence performing inspections, maintenance procedures, and system checks.



Reduce Downtime

Proactive maintenance helps identify potential issues before they impact production. Regular daily, weekly, and monthly inspection routines allow teams to address problems early, reducing unexpected downtime and improving machine availability.



Improve System Performance

Regular inspections, calibration checks, and maintenance procedures ensure machine control systems continue to operate accurately and efficiently, supporting improved productivity and reduced rework.



Extend Equipment Lifespan

Correct maintenance practices help protect your technology investment by reducing unnecessary wear, preventing avoidable failures, and extending the operational life of machine control components.



Improve Safety & Reliability

Well-maintained equipment provides a safer and more reliable working environment by reducing the likelihood of equipment failures and operational issues on site.



Book a course online today!

Course Delivery Method:

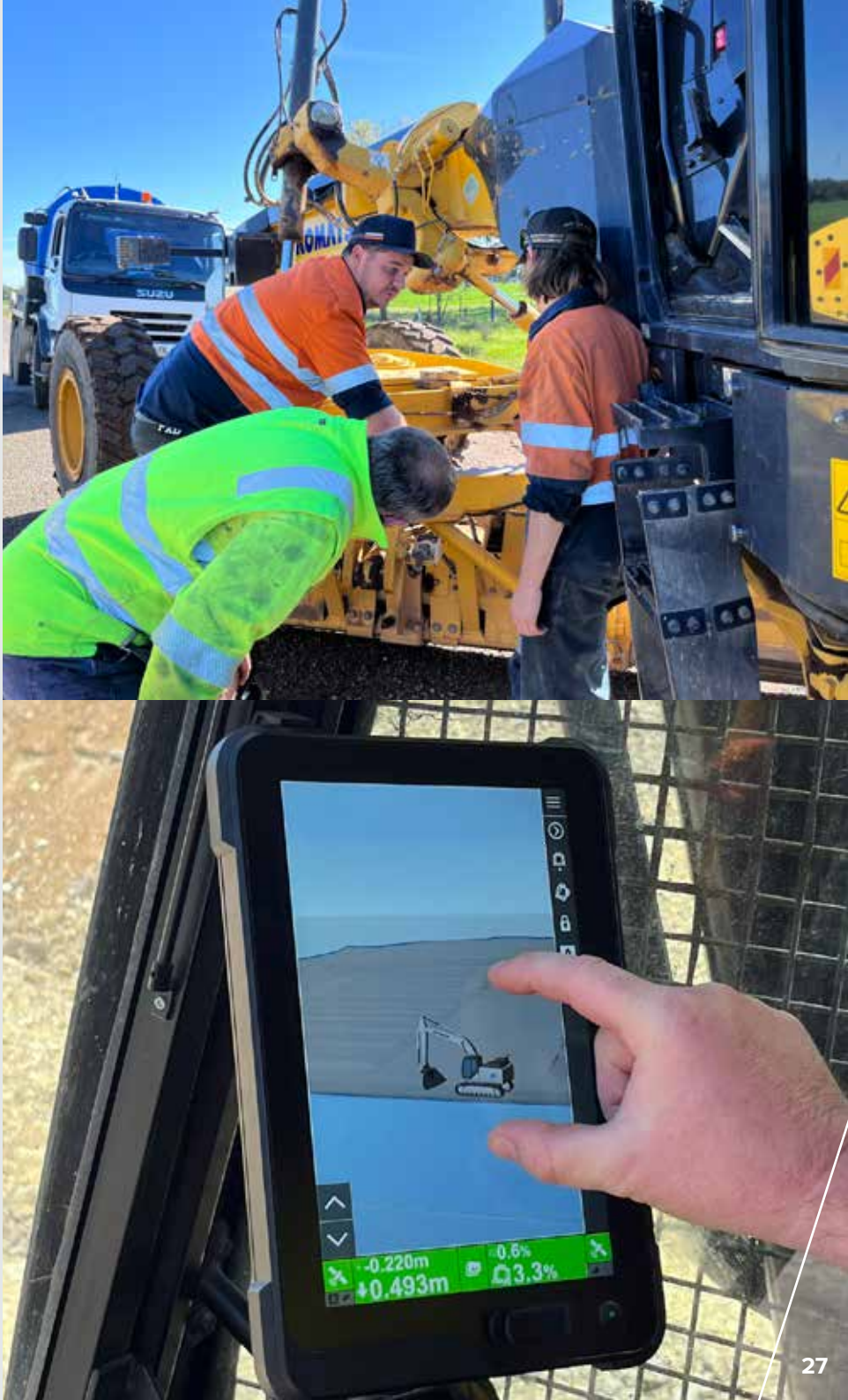
Face-to-Face Learning (In-person training delivered at an Aptella location or onsite at your office)

Target Audience:

- > Service & Maintenance Personnel
- > Plant Mechanics
- > Operators
- > Site Champions
- > Foremans/Supervisors
- > Technical Specialists
- > Technology Asset Managers
- > Site Survey Team Members

The Course Objectives Include:

- > Conduct effective machine control system inspections
- > Follow structured daily, weekly, and monthly maintenance procedures
- > Inspection checklists to identify potential issues before failure occurs
- > Understand common machine control faults and troubleshooting workflows
- > Perform basic system checks and calibration verification procedures
- > Identify critical components and understand their maintenance requirements
- > Utilise appropriate spare parts and maintenance resources
- > Develop confidence in preventative maintenance tasks through guided practical exercises
- > Apply best-practice workflows to improve equipment reliability and productivity



Laser Level Courses

Laser Safety Officer Training

The course is designed to ensure persons using **laser emitting equipment across a range of industries** have an understanding that lasers are safe to use when operated in the manner for which they were intended. Industries may include **construction, manufacturing, mining, surveying, research, and industrial processing environments**.

The course covers the **fundamentals of laser safety**, including regulatory requirements, laser classifications, hazard identification and risk assessment, and the practical implementation of laser safety procedures and control measures within the workplace.

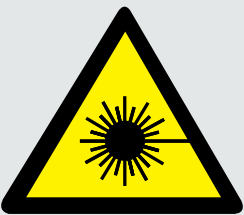
This course aligns with the principles and guidance provided in **AS/NZS IEC 60825.1:2014 and AS/NZS IEC 60825.14:2022**, which outline the classification, safe use, and management of laser products. Where applicable, reference is also made to **AS 2397 – Safe Use of Lasers in the Construction Industry** for construction-specific applications such as surveying, alignment, and levelling.

Participants will work through the prepared training material and complete an **open-book examination** to assess their understanding of the subject matter. The purpose of the assessment is to determine the level of comprehension of laser safety principles and the responsibilities associated with managing laser equipment in the workplace.

Upon completion, participants will be equipped with the knowledge required to **support safe laser use, implement appropriate control measures, and contribute to a safe and compliant laser operating environment**.

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led



Course Duration:

4 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Plumbers
- > Concreters
- > Carpenters
- > Builders
- > Site Foremans/ Supervisors
- > Surveyors
- > Labourer/General Hand
- > Machine Operators
- > Mining Supervisors
- > Safety Managers

The Course Objectives Include:

- > Introduction to Lasers
- > Lasers – Hazards & Classifications
- > Safety Rules and Precautions
- > Responsibilities of LSO and Operator
- > Laser safety requirements
- > Management of a Safety Program
- > Understanding that lasers are safe (when used as intended)



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Laser and Level Operation

This course introduces the fundamentals of levelling principles, laser technology, equipment setup, accuracy checks, and adjustment procedures required to achieve reliable and precise results on construction sites. Participants will learn how different laser types and levelling tools are applied across a range of construction and surveying tasks, helping improve productivity, accuracy, and confidence when using measurement equipment.

The course combines classroom-based theory with practical field exercises, allowing participants to apply their knowledge using Topcon laser levels and tools in real-world scenarios. These hands-on activities reinforce key concepts and provide participants with the skills required to correctly set up, operate, verify, and maintain levelling equipment.



Book a course online today!

Course Delivery Method:

Face-to-Face Learning or Online Instructor-Led

Course Duration:

4 hours

Morning Tea & Lunch Provided (Only for Face-to-Face Learning)

Target Audience:

- > Plumbers
- > Concreters
- > Carpenters
- > Builders
- > Site Foremans/Supervisors
- > Surveyors
- > Labourer/General Hand
- > Machine Operators

The Course Objectives Include:

- > Understand fundamental levelling principles and measurement techniques
- > Understand the basics of laser technology and laser safety considerations
- > Identify the different types of laser levels and their applications
- > Become familiar with Topcon laser levels and measurement tools
- > Perform correct equipment setup, calibration checks, and accuracy verification
- > Apply laser and levelling techniques across construction and surveying applications
- > Understand common adjustment procedures and troubleshooting methods
- > Complete practical field exercises using laser and levelling equipment



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