MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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THE AMAZING PA

"Design, Model, and Manage Land Development Projects with Precision Using AutoCAD Civil 3D."

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

Introduction

Land development and infrastructure design demand precision, efficiency, and seamless collaboration across multiple disciplines. AutoCAD Civil 3D is a powerful civil engineering design software that allows professionals to plan, design, and manage land development projects with dynamic modeling and intelligent data workflows.

This AutoCAD Civil 3D Land Development Training course equips participants with practical skills for designing roads, grading plans, drainage systems, and site layouts using Civil 3D's advanced features. Participants will learn to build intelligent 3D models, perform surface analysis, and manage project data efficiently, ensuring optimal design quality and collaboration across all project stages.

Objectives

By the end of this course, participants will be able to:

- Understand the core functionalities and interface of AutoCAD Civil 3D.
- Create and edit surfaces, alignments, profiles, and corridors.
- Develop comprehensive land development and site grading plans.
- Design and analyze stormwater and drainage systems.
- Perform volume calculations and earthwork analysis.
- Automate design documentation and annotation.
- Integrate Civil 3D with GIS and other CAD/BIM software.
- Apply best practices for project management and data control.

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Why Attend

As infrastructure and urban projects grow in complexity, mastering AutoCAD Civil 3D is essential for professionals in civil and land development. This training offers hands-on experience with real-world design scenarios, providing participants with technical competence to deliver accurate, efficient, and sustainable development solutions. Whether you're a beginner or upgrading your Civil 3D skills, this course ensures you gain industry-ready expertise.

Target Audience

This course is ideal for:

- Civil Engineers and Land Development Designers
- Surveyors and Geomatics Professionals
- Urban and Infrastructure Planners
- CAD Technicians and Draftsmen
- GIS and Design Engineers
- Project Managers and Site Engineers
- Professionals involved in civil, highway, or infrastructure design

Individual Benefits

- Hands-on experience in advanced Civil 3D tools and workflows
- Enhanced efficiency in design, drafting, and documentation
- Ability to create accurate 3D models and manage design data
- Improved problem-solving and analytical design skills
- Increased professional value and employability in civil design projects
- Confidence in applying Civil 3D to real-world land development tasks

Organizational Benefits

- Streamlined design workflows and improved project accuracy
- Reduced project turnaround time and minimized rework
- Consistent design standards and documentation practices
- Enhanced collaboration between engineering, surveying, and planning teams
- Support for sustainable land development through precise modeling
- Development of in-house expertise for infrastructure and site development projects

Instructional Methodology

The course follows a practical, project-based approach through:

- Interactive software demonstrations and guided exercises
- Real-world design case studies
- Step-by-step tutorials and instructor-led modeling sessions
- Group design workshops and collaborative exercises
- Assignments focused on practical land development challenges
- Continuous feedback and Q&A sessions for individual improvement

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Course Outline

Module 1: Introduction to AutoCAD Civil 3D Interface and Project Setup

Module 2: Creating and Editing Surfaces – Contours, Breaklines, and Boundaries

Module 3: Alignments, Profiles, and Corridor Modeling

Module 4: Land Grading, Parcel Design, and Site Layout Planning

Module 5: Stormwater and Drainage Design Fundamentals

Module 6: Pipe Networks and Hydrological Analysis

Module 7: Earthwork Calculations and Volume Reports

Module 8: Annotation, Labeling, and Plan Production

Module 9: Data Management, Sharing, and Collaboration Tools

Module 10: Capstone Project – Comprehensive Land Development Design Using Civil 3D

Certification

Upon successful completion, participants will receive a Certificate in AutoCAD Civil 3D Land Development, validating their expertise in land design, grading, and infrastructure modeling using industry-leading Civil 3D software.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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