

Autodesk Tandem for Facility Operators

Course Objectives

- To provide a comprehensive understanding of the Tandem platform for facility operations and asset management.
- To enable participants to efficiently navigate, manage, and organize facility data, assets, and spaces within Tandem.
- To develop skills in data visualization, filtering, and time-based analysis for informed decision-making.
- To equip learners with the ability to configure systems, manage documentation, and monitor facility performance effectively.

Target Audience

- Facility Operators and Facility Managers responsible for day-to-day building operations.
- BIM Coordinators and Digital Twin professionals working with asset and facility data.
- Maintenance Engineers and Technicians involved in monitoring and managing building systems.
- Professionals transitioning into digital facility management and smart building operations.

Course Outcomes

- Participants will be able to confidently navigate the Tandem interface and manage facility portfolios.
- Learners will gain the ability to organize, filter, and analyze asset and facility data effectively.
- Participants will create and manage views, visualize data using heatmaps, and interpret time-based data streams.

Course Outline: The course comprises **16-hours** of theory and labs and is divided into **13 different chapters**. Each chapter will be followed by hands-on lab exercises to reinforce learning and gauge understanding of the topics covered.

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Module 1: Introduction to Tandem for Facility Management

- Overview of Tandem Platform
- Role of Facility Operators in Tandem
- Key Features and Capabilities

Module 2: Getting Started with Tandem

- Navigating the Home Page
- Creating a New Facility in Tandem
- Understanding the User Interface

Module 3: Asset Data Management

- Specifying Data Requirements for Assets
- Structuring and Managing Asset Information
- Best Practices for Asset Data Organization

Module 4: Navigation & Workspace Management

- Navigating Spaces in Tandem
- Understanding Facility UI, Settings, and Visualization Features
- Managing Facilities Portfolio

Module 5: Filtering, Search & Data Exploration

- Isolating Components
- Customizing the Filters Panel
- Searching and Filtering Facility Data

Module 6: Views and Visualization

- Creating and Managing Views
- Visualizing Data Using Pins and Heatmaps
- Understanding Data Visualization Tools

Module 7: Time-Based Data Analysis

- Introduction to Time Navigation
- Streaming Past Data Across Pins and Heatmaps

Module 8: Document Management

- Uploading Documents
- Attaching and Linking Documents to Assets
- Managing Documentation within Tandem

Module 9: Team & Account Management

- Managing Team Members
- Configuring Account Settings
- Roles and Permissions

Module 10: Event Monitoring & History

- Viewing Event History of a Facility
- Tracking Changes and Activities
- Using Event Data for Insights

Module 11: System Configuration & Integration

- Creating and Configuring Connections
- Integrating External Data Sources
- System Setup Best Practices

Module 12: Thresholds & Alerts

- Creating Thresholds
- Setting Alert Conditions
- Monitoring System Performance

Module 13: Advanced Features

- Detaching and Managing the Inventory Panel
- Advanced Data Interaction Techniques
- Optimization Tips for Daily Operations