

## Hexagon Smart 3D Administration

	Day 1: Introduction to Hexagon Smart 3D and Administration Concepts
1.	Introduction to Hexagon Smart 3D Administration
	Understanding the role of administration in Smart 3D projects
	Overview of Smart 3D architecture and components
	Importance of efficient project setup and management
2.	Smart 3D Administration Environment Setup
	Installing and configuring the Smart 3D administration tools
	Connecting to the Smart 3D environment
	Navigating the administration interface
3.	User Management and Access Control
	<ul> <li>Managing user accounts and roles in Smart 3D</li> </ul>
	Setting up access permissions and privileges
	<ul> <li>Implementing security measures for project data</li> </ul>
	Day 2: Project Configuration and Data Management
4.	Creating and Configuring Smart 3D Projects
	Planning and creating Smart 3D projects
	Defining project attributes and settings
	Project organization and folder structure
5.	Catalog and Specification Management
	<ul> <li>Managing equipment, piping, and structural catalogs</li> </ul>
	Creating and modifying material specifications
	Ensuring data consistency and standardization
6.	Data Loading and Integration
	Importing external data into Smart 3D projects
	Mapping and transforming data from various sources
	Verifying data integrity and resolving discrepancies
	Day 3: Model Management and Workflows
7.	Model Hierarchy and Object Relationships

- Understanding the model hierarchy in Smart 3D
- Establishing relationships between objects
- Utilizing model views and filtering techniques

# 8. Model Checks and Quality Control

• Implementing model review and quality control processes



- Running checks for clashes, gaps, and overlaps
- Resolving design inconsistencies and issues

## 9. Workflow Configuration and Coordination

- Defining engineering and design workflows
- Assigning tasks and responsibilities to users
- Monitoring and tracking project progress

#### Day 4: Collaboration and Reporting

#### 10. Collaboration and Clash Detection

- Enabling collaboration among multidisciplinary teams
- Conducting clash detection and interference checks
- Integrating clash resolution into the design process

#### 11. Drawing and Report Generation

- Creating engineering drawings and reports
- Customizing templates and layouts
- Automating the generation of documentation

### 12. Versioning and Change Management

- Managing design changes and revisions
- Tracking version history and design iterations
- Implementing change review and approval processes

### Day 5: Performance Optimization and Best Practices

#### 13. Performance Optimization and Troubleshooting

- Identifying performance bottlenecks in Smart 3D
- Implementing optimization techniques for large projects
- Troubleshooting common issues and errors

### 14. Backup and Disaster Recovery

- Developing backup and recovery strategies
- Ensuring data integrity and disaster preparedness
- Performing data restoration in case of emergencies

### 15. Final Project and Certification

- Applying Smart 3D administration concepts to a practical project
- Presenting the project setup and management approach
- Evaluation and assessment for the Hexagon Smart 3D Administration Certification