Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

CONSTRUCTION INSTITUTE

Training Course on Data Security and Privacy in Construction Projects

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
10 Days Practical Hands-on

DELIVERY MODES
In-Person Class & Live Virtual

CERTIFICATION
Accredited Certificate of Completion

INTAKES / DATES
Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 22, 2026

Academic & Professional Training Year: 2026

DATASTAT TRAINING INSTITUTE
P.O. Box 102802-00101, Nairobi, Kenya
Training Centers: Nairobi • Mombasa • Kigali • Dubai • Live Virtual Academy
Tel: +254 724 527 104 | +254 734 969 612
Email: training@datastatresearch.org
www.datastatresearch.org

Training Course on Data Security and Privacy in Construction Projects

Construction Institute • 10 Days Intensive • Accredited Certification

Course Overview

Training Course on Data Security and Privacy in Construction Projects addresses the critical need for data protection and compliance within the construction sector.

Key Skills & Software Tools Covered

Data Security • Construction • Compliance • Risk Management

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
5 Jan 2026 – 16 Jan 2026	Nairobi	Classroom / 10d	**$3,000 USD / KES 220,000**
5 Jan 2026 – 16 Jan 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Cape Town	Classroom / 10d	**$9,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Addis Ababa	Classroom / 10d	**$6,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Singapore	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Istanbul	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Bangkok	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Accra	Classroom / 10d	**$8,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Nairobi	Classroom / 10d	**$3,000 USD / KES 220,000**
19 Jan 2026 – 30 Jan 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

Training Course on Data Security and Privacy in Construction Projects

Introduction

In today's digitally driven construction industry, the sheer volume and sensitivity of project data necessitate robust data security measures and a deep understanding of privacy regulations. From intricate building information models (BIM) and detailed project plans to sensitive client information and confidential financial records, construction projects are prime targets for cyber threats and data breaches. Training Course on Data Security and Privacy in Construction Projects addresses the critical need for data protection and compliance within the construction sector. Participants will gain actionable insights into identifying data vulnerabilities, implementing effective security protocols, and navigating the complex landscape of data privacy laws to ensure the confidentiality, integrity, and availability of crucial project information. Mastering these skills is no longer optional; it's a fundamental requirement for maintaining client trust, mitigating financial risks, and ensuring the successful and secure delivery of construction projects in an increasingly regulated environment.

This specialized program is meticulously designed to equip construction professionals with the knowledge and skills to establish a strong data security framework and foster a culture of privacy awareness within their organizations. By understanding the latest cybersecurity best practices and the implications of regulations like GDPR, CCPA, and local data protection acts, participants will be empowered to proactively protect sensitive information throughout the entire project lifecycle. The course delves into practical strategies for risk management, incident response, and the secure handling of personally identifiable information (PII), ultimately contributing to enhanced operational efficiency, reduced legal liabilities, and a stronger competitive advantage in the construction industry.

Course Duration

10 days

Course Objectives

This training course aims to equip participants with the following key competencies:

- Grasp core concepts of data confidentiality, data integrity, and data availability within the construction context.
- Recognize common cyber threats and vulnerabilities specific to construction projects, including malware, phishing attacks, and insider threats.
- Comprehend key principles and requirements of major data privacy laws such as GDPR, CCPA, and relevant local regulations in Kenya.
- Apply practical techniques for data encryption, access control, and secure data storage in construction environments.
- Implement secure practices for email security, file sharing, and online collaboration in project teams.
- Evaluate and mitigate data security risks associated with subcontractors, suppliers, and other external partners.
- Learn how to create and implement effective data breach response strategies for construction projects.
- Establish secure practices for the use of mobile devices and BYOD (Bring Your Own Device) policies on construction sites and in project offices.
- Implement security measures specifically designed for safeguarding sensitive BIM data and collaborative workflows.
- Promote data security training and awareness among project stakeholders and employees.
- Understand the process of performing security assessments and identifying areas for improvement in data protection practices.
- Implement effective data lifecycle management and secure data disposal procedures in accordance with legal requirements.
- Evaluate and utilize secure cloud storage and collaboration platforms for construction data management.

Organizational Benefits

- Proactive measures minimize the likelihood of costly cybersecurity incidents and data loss.
- Ensures adherence to data privacy regulations, avoiding hefty fines and legal repercussions.
- Demonstrates a commitment to data protection, fostering stronger client relationships.
- Secure data management streamlines workflows and reduces disruptions caused by security incidents.
- Positions the organization as a trustworthy and secure partner in the construction industry.

Target Audience

- Project Managers
- Construction Engineers
- IT Managers in Construction Firms
- BIM Managers and Coordinators
- Legal and Compliance Officers
- Site Supervisors and Foremen
- Subcontractors and Suppliers
- Clients and Stakeholders

Course Outline

Module 1: Introduction to Data Security and Privacy in Construction

- Understanding the importance of data security in the modern construction landscape.
- Overview of key data privacy principles and regulations relevant to the industry.
- Identifying the types of sensitive data handled in construction projects (e.g., BIM data, client information, financial records).
- Exploring common data security risks and potential impacts on construction organizations.
- Case Study: Analysis of a significant data breach in a construction firm and its consequences.

Module 2: Legal and Regulatory Frameworks for Data Protection

- In-depth review of the General Data Protection Regulation (GDPR) and its implications for construction projects involving EU residents.
- Understanding the California Consumer Privacy Act (CCPA) and its relevance to construction businesses operating in California.
- Exploring other relevant data privacy laws and regulations in Kenya and internationally.
- Best practices for achieving and maintaining regulatory compliance in construction data handling.
- Case Study: Examining a legal case involving non-compliance with data privacy regulations in the construction sector.

Module 3: Identifying and Assessing Data Security Threats and Vulnerabilities

- Common cyber threats targeting the construction industry, including ransomware, malware, and phishing.
- Identifying vulnerabilities in construction IT infrastructure, networks, and software.

- Understanding insider threats and implementing measures to mitigate associated risks.
- Conducting risk assessments to identify and prioritize data security risks in construction projects.
- Case Study: Analysis of a successful phishing attack targeting a construction project team and its impact.

Module 4: Implementing Technical Controls for Data Security

- Best practices for data encryption at rest and in transit within construction environments.
- Implementing robust access control mechanisms and authentication protocols for project data.
- Securing network infrastructure and implementing firewall configurations for construction sites and offices.
- Utilizing intrusion detection and prevention systems to monitor and block malicious activity.
- Case Study: Examining the implementation of strong encryption techniques to protect sensitive BIM data.

Module 5: Secure Data Storage and Backup Strategies

- Best practices for secure data storage on-premise and in the cloud for construction data.
- Implementing effective data backup and recovery plans to ensure business continuity.
- Understanding data retention policies and secure data disposal methods in the construction industry.
- Evaluating the security of different cloud storage solutions used in construction projects.
- Case Study: Analysis of a successful data recovery process following a hardware failure in a construction company.

Module 6: Securing Digital Communication and Collaboration

- Implementing secure email communication protocols and encryption methods.
- Utilizing secure file sharing platforms for project documents and information.
- Best practices for secure online collaboration tools used by construction teams.
- Addressing security considerations for video conferencing and remote communication in construction.
- Case Study: Examining the secure implementation of a collaborative BIM platform for a large-scale project.

Module 7: Managing Third-Party Data Security Risks

- Developing security requirements for subcontractors, suppliers, and other third-party vendors.
- Implementing due diligence processes to assess the security posture of external partners.
- Establishing clear data sharing agreements and security protocols with third parties.
- Monitoring third-party access to project data and ensuring ongoing compliance.
- Case Study: Analysis of a data breach originating from a third-party vendor involved in a construction project.

Module 8: Developing and Implementing Incident Response Plans

- Creating a comprehensive data breach response plan tailored to construction projects.
- Establishing clear roles and responsibilities for incident response teams.
- Defining procedures for identifying, containing, and eradicating security incidents.
- Developing communication strategies for stakeholders in the event of a data breach.
- Case Study: Simulation exercise of a data breach scenario and the execution of an incident response plan.

Module 9: Mobile Device and BYOD Security in Construction

- Establishing security policies for the use of mobile devices on construction sites and in project offices.
- Implementing measures to protect sensitive data accessed through BYOD (Bring Your Own Device) programs.
- Utilizing Mobile Device Management (MDM) solutions for enhanced security and control.
- Addressing the risks associated with lost or stolen mobile devices containing project information.
- Case Study: Implementation of a secure BYOD policy in a construction company and its impact on data protection.

Module 10: Protecting Building Information Models (BIM)

- Understanding the unique security challenges associated with BIM data and collaborative workflows.
- Implementing access controls and permissions for different stakeholders involved in BIM projects.
- Securing BIM data during design, construction, and handover phases.
- Utilizing secure BIM collaboration platforms and protocols.
- Case Study: Examining security measures implemented in a large infrastructure project utilizing BIM.

Module 11: Fostering a Culture of Data Security and Privacy Awareness

- Developing and delivering effective data security training programs for construction employees.

- Promoting awareness of data privacy policies and best practices within the organization.
- Implementing regular security awareness campaigns to reinforce key messages.
- Establishing clear reporting mechanisms for suspected security incidents.
- Case Study: Analysis of a successful security awareness program implemented in a construction firm.

Module 12: Conducting Data Security Audits and Assessments

- Understanding the principles and methodologies of data security audits.
- Identifying key areas to assess during a security audit in a construction environment.
- Utilizing security assessment tools and techniques.
- Developing and implementing recommendations based on audit findings.
- Case Study: Review of a data security audit report for a construction company and the resulting improvements.

Module 13: Data Retention and Disposal in Construction

- Developing and implementing data retention policies in compliance with legal and regulatory requirements.
- Establishing secure procedures for the disposal of physical and digital records containing sensitive information.
- Understanding the legal and business implications of improper data disposal.
- Utilizing secure data wiping and destruction methods.
- Case Study: Analysis of a legal case resulting from the improper disposal of sensitive construction documents.

Module 14: Leveraging Secure Cloud Solutions for Construction Data Management

- Evaluating the security features and risks associated with different cloud service models (IaaS, PaaS, SaaS).
- Implementing secure configurations and access controls for cloud-based construction data.
- Understanding data residency and compliance considerations when using cloud services.
- Best practices for managing and securing data migrations to the cloud.
- Case Study: Examination of a construction company's successful and secure migration of project data to a cloud platform.

Module 15: Emerging Trends and Future of Data Security in Construction

- Exploring emerging cybersecurity threats and their potential impact on the construction industry.
- Understanding the role of Artificial Intelligence (AI) and Machine Learning (ML) in enhancing data security.
- Examining the implications of the Internet of Things (IoT) and connected devices on construction site security.
- Discussing future trends in data privacy regulations and their potential impact on construction.
- Case Study: Analysis of a construction company leveraging AI-powered security tools to enhance threat detection.

Training Methodology

The training will employ a blended learning approach, incorporating:

- Interactive Lectures: Engaging presentations covering theoretical concepts and practical applications.
- Case Studies: Real-world examples of data breaches and privacy violations in construction.
- Group Discussions: Collaborative sessions for sharing experiences and problem-solving.
- Practical Exercises: Hands-on activities to reinforce learning and skill development.
- Role-Playing Scenarios: Simulating real-life situations to practice incident response and communication.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/training-course-on-data-security-and-privacy-in-construction-projects to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.