

SITE ON

SiteOn™ Construction CVS -Components Verification System

SiteOn™ Construction Components Verification System is a mobile-based solution designed to verify and track structural components throughout the construction lifecycle. By combining NFC technology, an Android mobile app, and engineering rule validation, SiteOn™ helps construction teams confirm component identity, location, orientation, and installation sequence while creating traceable digital records from factory to job site.

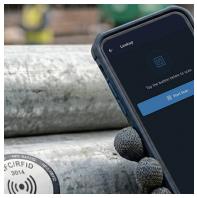
>> Why SiteOn™

Construction projects involve complex component logistics, precise installation requirements, and multiple teams. Incorrect component identification, misplaced installations, and incomplete records can lead to costly rework and project delays. SiteOn™ connects physical components with digital records, helping construction teams improve installation accuracy and maintain better control throughout the project.



Improve Team Coordination

Connect project information and on-site activities, helping contractors, fabricators, and project teams stay aligned throughout construction.



Simplify Information Access

Access component details and related engineering information directly through NFC-enabled Android devices, making essential project information easier to retrieve on site.



Standardize Project Workflows

Organize component-related activities into structured stages, helping teams follow consistent procedures from factory preparation to on-site installation.



Improve Project Visibility

Bring component information, activity updates, and verification records together to provide a clearer overview of project progress and operational status.

>> How SiteOn™ Works

SiteOn™ connects component identification, logistics tracking, engineering validation, and digital records in one structured workflow, enabling construction teams to verify components at every critical stage.

1

Encoding & Tag Binding

Prepare NFC tags and bind each tag to its corresponding component record, establishing a digital connection between the physical component and its unique identity.

2

Pre-Installation Check

Verify component identity, installation location, orientation, and required sequence against engineering plans before installation proceeds.

3

Installation Verification

Tap the NFC tag at the point of installation to verify component identity, location, orientation, and installation sequence, helping ensure that each component is installed according to project requirements.

4

Lookup & History

Tap the NFC tag to retrieve component details, current status, engineering information, and historical verification records.

>> Key Features

Engineering Rule Engine

Validate component identity, location, orientation, installation sequence, and tolerances to detect mismatches and prevent installation errors and costly rework.

NFC-Based Component Identification

Use NFC-enabled Android devices to read component tags and access corresponding digital records, enabling convenient identification and verification directly on site.

Offline Mobile Operation

Continue component verification using locally available project data when network connectivity is unavailable. Verification records can be synchronized when connectivity is restored.

Full Lifecycle Tracking

Track components across six key stages: encoding, binding, dispatch, site receiving, pre-installation checks, and final installation verification.

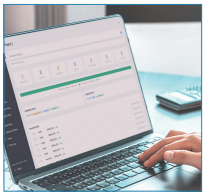
Digital Audit Trail

Maintain digital verification records with timestamps, GPS coordinates, and user identity to support quality assurance, project monitoring, and traceability.

Cloud-Based Project Management

Connect mobile verification with project management systems to access component data, track verification progress, and manage project records.

>> SiteOn™ System Architecture



Cloud-Based Management System

Manage component records, engineering requirements, verification data, and project activities through a centralized system.

Android Mobile App

Use NFC-enabled Android devices to tap component tags, access digital records, perform engineering checks, and update verification results directly on site.



NFC On-Metal Tags

Attach NFC tags to metallic construction components to establish unique digital identification and enable smartphone-based verification throughout the construction process.

SKU: RS-SLIX-OMPET3M-D30

We can also provide other NFC tag options to suit your specific application requirements.

One Kit to Start, Everything You Need to Test

The SiteOn™ Sample Kit includes 100 NFC on-metal tags, access to the SiteOn™ mobile app, and 3-month demo system access.

Compatible with NFC-enabled Android devices. Simply use your own NFC-enabled Android device to tap the tags and access component information directly on site.



>> Verify Every Component. Build with Confidence.

From component identification to installation verification, SiteOn™ connects NFC technology with digital construction management, helping teams improve installation accuracy, streamline on-site workflows, and maintain traceable component records.

Get in touch to explore the right SiteOn™ solution for your construction project.

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