

VKEC's SMARTSUITE

SMART ESIGN

CONTROLLED DOCUMENT & ELECTRONIC SIGNATURE PLATFORM

Control the document lifecycle.
Strengthen approvals.
Create an auditable trail.

From Document Management to Document Intelligence

Smartesign is envisioned as a controlled document and electronic signature platform that helps organizations manage documents through a structured, traceable lifecycle — from creation and template validation through review, approval, signature, effectiveness and controlled records.

Document Control Challenges

Multiple versions, uncontrolled copies, inconsistent templates and unclear ownership.

Approval Challenges

Email-driven approvals, aging tasks and limited visibility into who must act next.

Audit & Traceability Challenges

Reconstructing document history, approvals and changes can be time-consuming.

Compliance Challenges

Organizations need repeatable controls, evidence and accountability across the lifecycle.

“One controlled lifecycle. One source of truth. One traceable history.”

Designed for controlled environments

Smartesign is designed with regulated and quality-conscious environments in mind, including GxP/GMP-oriented use cases. Controls can be configured around organizational procedures, approval policies, electronic-signature requirements, retention rules and auditability expectations. ALCOA+ principles can be treated as design guidance for data integrity.

The Smartesign Capability Landscape

A connected set of capabilities across the document, workflow, approval and compliance lifecycle.

01 CONTROLLED DOCUMENT LIFECYCLE Create, review, approve, release, revise, supersede and archive documents through a defined lifecycle.	02 TEMPLATE & VERSION CONTROL Manage approved templates and versions. Detect potential template mismatch before controlled release.
03 WORKFLOW & APPROVALS Route documents to the right owners and approvers with dependencies, due dates and status visibility.	04 ELECTRONIC SIGNATURE Execute role-based electronic signatures with signer identity, intent and event history captured.
05 AUDIT TRAIL Maintain a traceable history of key document and workflow events for review and investigation.	06 CONTROLLED RECORDS Link records to source documents, retention requirements and lifecycle status.
07 DEVIATIONS & CAPA Connect deviations and corrective/preventive actions to relevant controlled documentation and workflows.	08 CUSTOMER COLLABORATION Provide controlled external access to documents, approvals and actions without exposing internal information.

A Typical Smartesign Flow

CREATE Draft	CHECK Template / control	REVIEW SME / QA	APPROVE Authorized role	eSIGN Execute	EFFECTIVE Controlled record
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Compliance & Control by Design

Traceability: know what happened, when it happened and who performed the action. **Accountability:** assign owners and approvers. **Controlled change:** preserve version and lifecycle context. **Evidence:** retain supporting records and workflow history.

Intelligence for Every Stakeholder

Quality / Compliance	Control status • audit readiness • exceptions • deviations • CAPA • controlled records
Document Owner	Drafts • template alignment • review status • revisions • effective documents
Approver / Quality Head	Approval queue • SLA risk • signature status • decision history
Executive	Compliance posture • outstanding actions • audit exceptions • organizational trends
Customer	Controlled shared documents • approvals • signatures • customer-visible actions

Why Organizations Consider Smartesign

Reduce Version Confusion

Centralize controlled documents, templates and lifecycle states.

Strengthen Accountability

Make owners, approvers, deadlines and decisions visible.

Improve Audit Readiness

Provide a coherent, traceable history of controlled activities.

Accelerate Approvals

Replace scattered follow-ups with structured workflows and SLA visibility.

Improve Data Integrity

Design controls around traceability, ownership and controlled change.

Scale Standard Processes

Use configurable workflows rather than hard-coding one organization's process.

Explore Smartesign

Experience the static multi-page prototype and see how the product vision translates into dashboards, workflows, approvals, eSign and compliance controls.

VKEC's SmartSuite

Intelligent Enterprise Solutions by VK Enterprise Consulting

Product brochure • Concept / prototype stage • Capabilities shown are indicative and subject to detailed product requirements, validation and implementation scope.