AI-powered operational knowledge management

DeepHow is the leading AI-powered Operational Knowledge Management Platform. While companies rely on ERPs for data, CRMs for customers, and LMSs for training, they still struggle to manage their most critical asset: operational know-how. This tacit, undocumented expertise lives in the heads of a few experts, is difficult to capture, and often disappears as workers retire or leave the company.

Organizations across manufacturing and other frontline industries face mounting challenges. Onboarding and upskilling workers remains slow and heavily dependent on classroom training, mentoring, and text-based manuals. Skills gaps are widening, with current workforce capabilities often misaligned with market needs. Operational risks, such as high scrap rates, downtime, and safety incidents, continue to add pressure to operations and increase costs. At the same time, companies must maintain governance and auditability, requiring accurate and accessible records of training, certification, and execution.

DeepHow was built to solve these challenges. It's the infrastructure layer for operational knowledge, bridging the gap between human expertise and enterprise systems. The platform captures expert knowledge through videos, photos, PDF manuals and other methods, uses AI to structure it into engaging, step-by-step instructions, and activates it across your enterprise, whether deployed directly in the DeepHow application or integrated into MES, LMS, or ERPs.

With DeepHow, organizations can capture institutional knowledge before it disappears, accelerate onboarding and skills development, and reduce over-reliance on individual subject matter experts. By shifting from delivering information to delivering operational knowledge, DeepHow enables companies to address workforce shortages, support career transitions, and ensure operational excellence in a very tight labor market.

The results speak for themselves. Companies using DeepHow have seen a 77% reduction in onboarding time, a 49% reduction in delays, and a 78% decline in safety incidents. They also report a 20% decrease in unplanned downtime and a 10% improvement in first-time-right quality. These gains drive measurable impact on safety, quality, delivery, and cost performance (SQDC).

Do not let your expertise walk out the door. DeepHow It! Learn more at deephow.com.

Use Cases

Operational Knowledge Repository
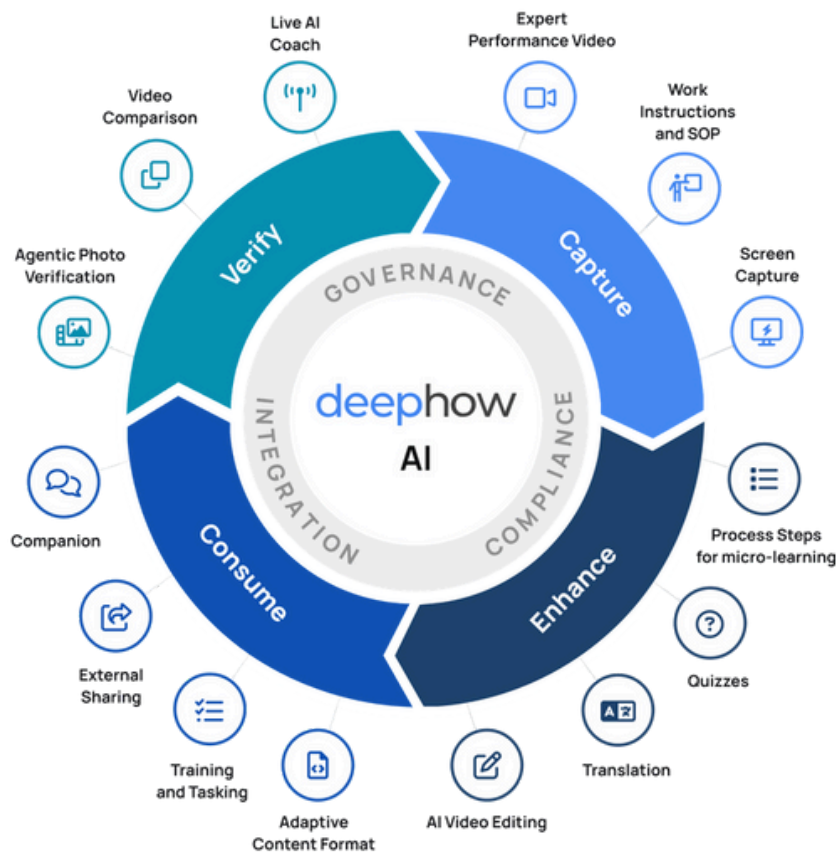
Capture, structure, and scale operational know-how.

Key Benefits

- Consolidate operational knowledge into one searchable platform.
- Eliminate silos by making expertise available across teams, sites, geographies, and your trusted partners.
- Maintain version control, auditability, and governance over operational content to ensure consistency and transparency throughout the organization.
- Ensure continuity of knowledge when experts retire, leave, or transition into new roles.
- Flexible integration to your existing systems.

Impact

With DeepHow as an operational knowledge repository, organizations safeguard their most valuable expertise, prevent knowledge loss, and empower their workforce with instant access to the guidance they need to perform.

DeepHow empowers you to capture, leverage, and scale your know-how with the power of AI.

Onboarding and Upskilling

Accelerate workforce readiness.

When you hire or reskill someone, you want them to be productive quickly, rather than shadowing for weeks. DeepHow transforms expert knowledge into engaging digital workflows, dramatically reducing ramp-up time while building confidence and engagement from day one.

Key Benefits

- Reduce onboarding and training time by up to 80% while improving time-to-competency.
- Replace classroom-heavy methods with engaging, bite-sized video learning.
- Track skills progress, completions, and compliance in one view.
- Verify skills with AI-powered video comparisons for quality assurance.

Impact

DeepHow enables organizations to onboard new hires and upskill existing staff with speed and consistency. The result: faster productivity, lower training costs, stronger knowledge retention, and a skills-ready workforce that adapts to evolving demands.

Standard Work AI Verification

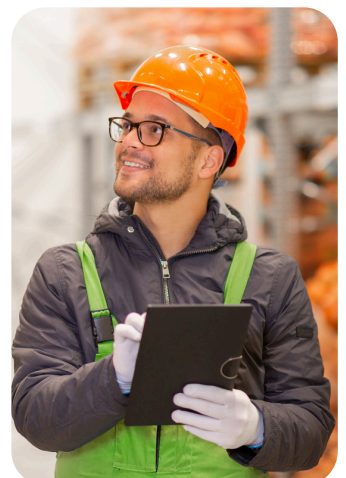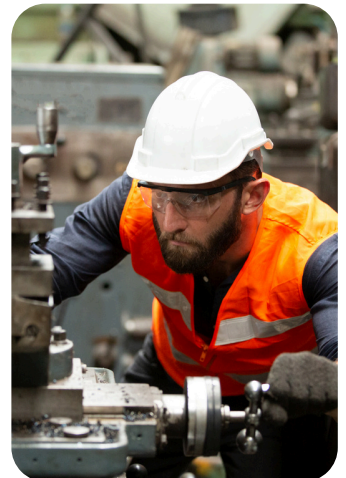Prove that every job is done right, every time.

Traditional work execution relies on supervisors to catch mistakes after they have occurred. DeepHow ensures that every job is assigned, documented, and verified, with AI-powered validation that proves work meets the standard every time.

Key Benefits

- Turn digitized SOPs into interactive, mobile-ready tasks.
- Capture photo or video proof of completed work directly from the floor.
- Utilize AI to verify accuracy against approved standards instantly.
- Give supervisors complete visibility into submissions, reviews, and compliance records.

Impact

DeepHow transforms standard work into a closed verification loop, providing instant feedback to workers, quality assurance for leaders, and complete audit trails for compliance. The result is consistent execution, reduced errors, and confidence that every critical task is done right.

YouTubification
Provide workers with quick, visual answers they can use.

Binders, PDFs, and static training materials don't align with how today's workforce learns. DeepHow brings the YouTube-style experience to your operations, making expert knowledge easy to capture, edit, and access within the workflow.

Key Benefits
- Capture expert know-how with just a phone without any special equipment.
- AI turns raw recordings into step-by-step videos with dubbing, translations, and annotations.
- Surface the exact video clip needed in digitized instructions or on demand via QR codes.
- Ensure workers always access curated, approved, and version-controlled content.

Impact
DeepHow transforms scattered tribal knowledge into a trusted, searchable video library that is embedded directly into daily workflows. Workers learn faster, supervisors ensure compliance, and organizations preserve critical expertise before it's lost, creating the operational equivalent of "YouTube for your enterprise."

External Sharing
Extend operational know-how beyond your four walls.

Vendors, contractors, and customers often need access to the same knowledge your workforce relies on. DeepHow enables the secure and governed sharing of expertise across your entire ecosystem, ensuring everyone works from the same source of truth.

Key Benefits
- Share secure links with partners and contractors for instant access to your designated content via browser or app.
- Maintain complete control over access, versioning, and compliance.
- Eliminate reliance on outdated PDFs, emails, or manual updates.
- Strengthen your brand and limit claims by ensuring external stakeholders are aligned with your standards.

Impact
DeepHow extends your operational knowledge beyond your walls, reducing field errors, improving partner execution, and strengthening compliance. Contractors receive the proper guidance at the right time, while you maintain confidence that the work is done to your standards, protecting both your brand and your bottom line.

DeepHow AI Platform

Smart Videos

DeepHow makes it simple to capture expert demonstrations and tacit knowledge directly on video. AI transforms recordings into step-by-step instructions that preserve expertise and make it actionable and accessible.

Smart Instructions

Static SOPs fail to engage workers and often don't keep pace with the rate of change. DeepHow turns them into dynamic, multimodal instructions that can be accessed and shared through any device.

Smart Compare

The strongest skills come from repetition and consistent feedback. With DeepHow, workers record themselves completing a task, and AI verifies performance against expert standards through a photo or video,.
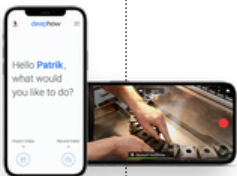
Task Management

Every job should be done right the first time. DeepHow Task Management assigns clear, step-by-step instructions, requires photo proof of completion, and uses AI to verify accuracy against approved standards.

Skills Management

DeepHow builds a living skills matrix that updates with real work execution. AI highlights gaps and readiness in real time, while managers can assign skills and quizzes, track completions, enforce compliance, and ensure the right people take the right courses for their roles.

Smart Assist

DeepHow provides workers with real-time guidance throughout their workflow. They ask questions naturally and receive instant answers, short videos, or step-by-step support, all drawn from your approved content base.

Reporting and Integration

DeepHow delivers reporting and integration that keep operations connected and accountable. Leaders gain full visibility into training, skills, and task execution, with seamless connections with LMS, MES, and ERP systems to ensure knowledge is activated to the right people at the right time in your business systems.