



CASE STUDY

Belvac Maximizes Training Efficiency by Reducing Training Time 41% with CDS Mentor for 3D Digital Work Instructions



CLIENT

Belvac, a Dover company, provides global 2-piece aluminum beverage can industry sustainable and innovation solutions

CHALLENGE

Finding an efficient, reliable, and modern training solution to replace inefficient paper/PDF-based traditional work instructions

SOLUTION

CDS Mentor delivered effective digital work instructions including effective 3D visuals, and the flexibility to adapt to different learning styles of new and veteran employees.

RESULTS

Significantly reduced ramp time for new employees

45% Faster Knowledge Capture

THE CUSTOMER

Belvac is the preferred choice of the world's two-piece canmaker

For over 60 years, Belvac has been providing the global 2-piece aluminum beverage can industry with sustainable solutions and innovative technology. Belvac's expertise is widely recognized, with its machinery used worldwide in production lines for beverages, food, beauty, and aerosols. Belvac's product range includes Cupping, Bodymaking, Trimming, Washing, Drying, Decorating, Bottom Rim Coating, Necking, Shaping, and inspection technology. Belvac is committed to delivering the highest-performing machinery at the lowest cost of operation to its customers. With over 400 employees across ten locations worldwide, Belvac offers real-time support to its customers in over 150+ countries.

THE CHALLENGE

Finding an efficient and modern training solution to replace paper/PDF-based traditional work instructions

Traditional training methods, including verbal instruction and static documents, proved inadequate for Belvac's intricate assembly processes. The risk of losing tribal knowledge during employee turnover loomed large, threatening productivity and quality assurance. Additionally, the need for standardized, multilingual instructions across global facilities added complexity to their training requirements.

Training Workflow Problems:

- **Inefficient Training Materials:** Traditional paper-based and PDF work instructions were cumbersome and lacked engagement.
- **Slow Onboarding:** New hires took a long time to learn their jobs, creating a skill gap.
- **Knowledge Retention:** Veteran employees' tribal knowledge was at risk of being lost when they retired.
- **Outdated Traditional methods: PDFs, paper, verbal instructions, etc.,** were not easily captured or shared, making it difficult for employees to refresh their memory on complex tasks
- **Limited Applicant Pool:** Difficulty finding workers with the necessary skills due to reliance on traditional experience levels.

“Having one standard easy-to-author template has been really beneficial for us, and it helps that our employees love it and are engaged by it. They're the final approvers for all our instructions – because they're the ones building the products.”

Brandon Hamby
Belvac Global Training Manager

CDS Mentor for 2D and 3D digital work instructions

- 2D and 3D work Instructions
- Efficient Onboarding
- Enhanced Training Flexibility
- Preservation of Tribal Knowledge
- Training Standardization Across Facilities
- Expanded Labor Pool



a  company

CDS Visual enables manufacturers to drive business value by unlocking their CAD assets. Its cloud-based visualization solutions, trusted by the world's biggest industrial suppliers, revolutionize their commerce, configure price quote (CPQ), and training initiatives. With an extensive offering of 3D visualization solutions, CDS uniquely repurposes existing CAD assets to deliver impactful solutions for 3D configuration, aftermarket part search, 3D work instructions, and enhanced digital content.

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THE SOLUTION

CDS Mentor for 2D and 3D Digital Work Instructions

Belvac selected CDS Mentor because of its robust features that are tailored to their needs. The software's immersive features provide detailed visualizations of assembly processes, enhancing comprehension and reducing errors.

Mentor's intuitive interface empowered non-technical staff to create interactive work instructions without coding expertise, streamlining the authoring process. Moreover, the solution facilitated cross-training initiatives, enabling employees to transition between assembly tasks seamlessly.

Key Features of CDS Mentor:

2D and 3D work instructions: Empower new and existing employees with clear, 2D and 3D Visualizations and multimedia-rich instructions.

Enhanced Quality for Your Training Programs: Standardized, up-to-date digital work instructions accessible on any device ensure consistent product quality and reduce errors.

Improved Efficiency and Productivity: Streamline workflows, minimize reworks, and boost skilled worker's productivity

Digitize Tribal Knowledge: Capture expert knowledge and simplify training with Interactive work instructions.

THE RESULTS

Belvac Reduced Training Time by 41% with CDS Mentor

Belvac implemented CDS Mentor for their digital work instructions solution to improve efficiency in their training programs.

Implementation of CDS Mentor yielded significant benefits for Belvac:

- **Efficient Onboarding:** Reduced ramp-up time for new employees, enabling quicker integration into production processes.
- **Enhanced Training Flexibility:** Tailored instructions to individual learning levels and abilities, accommodating diverse workforce needs that reduced average training time by 41%.
- **Preservation of Tribal Knowledge:** 45% increase in facilitated knowledge transfer from veteran employees to newcomers, mitigating the impact of retirements and job changes.
- **Training Standardization Across Facilities:** Ensured consistency in work instructions across global plants, promoting uniformity in assembly processes that reduced assembly time by 20%.
- **Expanded Labor Pool:** Lowered the skill floor for new hires, increasing the pool of eligible candidates and diversifying the workforce.