

HVM Helps Plastic Storage Manufacturer Avoid Interruptions with Efficient Transformer Solutions

After detecting a potential fault during routine testing, HVM partnered with the plastic storage manufacturer to manage a full transformer replacement, handling everything from diagnosis and disposal to installation and testing.

Background

During routine maintenance, HVM conducted an inspection on a 2000KVA liquid-filled transformer (12470V-480/277V) owned by the customer. Oil sampling revealed a high concentration of combustible gases that were well above normal levels further indicating a potential internal fault within the transformer. Given the critical role of the transformer in the electrical system and the risk of failure, immediate action was necessary. However, the customer lacked the internal knowledge and resources to manage all aspects of a complex transformer replacement, from evaluation and procurement to disposal and installation. Recognizing this gap, the customer engaged HVM to provide experienced diagnostics, maintenance testing, and full-service support to safely and efficiently replace the transformer while minimizing operational disruption.

Company Profile

This plastic storage manufacturer specializes in producing reliable and durable storage solutions. With a focus on quality and customer support, the company works closely with partners to keep operations and project execution efficient. Their commitment to excellence and timely delivery helps customers maintain consistent productivity.

Industry

Manufacturing

Location

USA

Benefits

- HVM's experience minimized downtime by quickly diagnosing the fault
- Coordinated planning enabled on-time completion of the full transformer replacement
- Seamless project management eased the customer throughout the process
- Robust support services helped alleviate internal workload for the customer

Challenge

The customer needed support managing all aspects of the transformer replacement due to limited internal expertise and resources. With the transformer showing signs of potential failure, there was an urgent need to replace the unit quickly to prevent costly downtime and maintain reliable operations. The replacement process involved multiple complex steps including detailed evaluation, procurement decisions between new or reconditioned units, coordination for disposal of the old transformer, and managing installation logistics. Additionally, the project needed to meet stringent industry standards and safety regulations, adding layers of complexity. Meeting the tight schedule without disrupting ongoing operations required careful coordination and efficient resource management. The customer needed a knowledgeable partner who could lead the entire project from start to finish, ensuring a seamless and timely completion.

Solution

Leveraging their extensive experience in transformer diagnostics and project management, HVM provided end-to-end support to the customer. They developed a detailed replacement plan offering both new and reconditioned transformer options, managed measurements, drawing approvals, and procurement. HVM coordinated with the transformer supplier and rigging company to handle disposal and installation seamlessly. Comprehensive cable and equipment testing were conducted before energization to guarantee safety and compliance. The turnkey project was delivered on schedule, meeting all standards and minimizing any impact on the customer's operations.

Results

- ✓ Transformer replacement completed with no downtime
- ✓ Fault risk eliminated through early detection and decisive action
- ✓ Full compliance with industry and safety standards maintained
- ✓ Smooth coordination minimized disruption across all project phases
- ✓ Customer's resources were preserved by outsourcing the work



HVMcorp.com | HVM Headquarters, 5100 Energy Drive, Dayton, OH, 45414, USA | 1-866-HVM-TEAM (486-8326)

© 2025 Vertiv Group Corp. All rights reserved. Vertiv™ and the Vertiv logo are trademarks or registered trademarks of Vertiv Group Corp. All other names and logos referred to are trade names, trademarks or registered trademarks of their respective owners. While every precaution has been taken to ensure accuracy and completeness here, Vertiv Group Corp. assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Specifications, rebates and other promotional offers are subject to change at Vertiv's sole discretion upon notice.