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REBUILT
REENGINEERING BUSINESS UNDER CLIMATE CRISIS

Action Plan Implementation

COMPANY NAME AND WEBSITE:

ELVEZ, D. O. O.

HTTPS://ELVEZ.SI/

COMPANY DESCRIPTION:

ELVEZ is an advanced manufacturing company specialised in providing clients worldwide with plastic injection components, metallised parts, and cable harness solutions.

The company provides a wide range of low to high volume multi-use injection moulding services, PVD metallised parts and complex made-to-measure cable harness solutions.

From concept to production and assembly, they deliver quality components to a wide range of challenging global industries such as automotive manufacturers, general consumer products, industrial and technical, white goods and more.

COMPANY'S CURRENT SITUATION (PROBLEMS):

The company's sustainability approach is firmly rooted in our environmental ethos and is a pillar of our good business practice. ELVEZ wants to lead the way in developing environmental processes that will ultimately lead to companies becoming completely sustainable in the future. They have undertaken some concrete actions, such as new and more efficient injection moulding with less energy consumption and metallisation machines, separation and collection of all waste material, sale of metal waste for recycling, water treatment actions, optimal usage of packaging materials, but they are always on search for new improvements.

The problem that they were facing during this project, was a collection and separation of leftovers in the production of wire harnesses.

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PROCESSES THAT HAVE BEEN DISCUSSED TO BE REENGINEERING:

Reengineering the processes for sorting and collecting leftovers of wire harnesses involves several steps to ensure efficiency and effectiveness. Here are some processes they have discussed to reengineer:

1. Inventory management system: implementing a robust inventory management system that tracks the usage of wire harnesses and identifies leftover quantities accurately.

2. Standardized sorting procedures: developing standardized procedures for sorting leftover wire harnesses based on factors such as type of wire, diameter of wire and its length

3. Segregation of materials: creating designated storage areas or bins for different types of leftover of wire harnesses. Segregating materials by type allows for efficient reuse or recycling and minimizes the risk of contamination.

4. Quality control checks: integrating quality control checks into the sorting process to identify any defects or damage in leftover of wire harnesses.

5. Training programme: providing comprehensive training programs for employees involved in the sorting and collecting processes.

6. Collaboration with suppliers: collaborating with suppliers for electrical industry to optimize packaging and minimize material waste.

7. Reuse and recycling initiatives: developing initiatives to promote the reuse and recycling of leftover wire harnesses within the company or through external partners. This may include establishing partnerships with recycling facilities or exploring innovative recycling technologies.

8. Continuous improvement: implementing a system for continuous improvement to regularly evaluate and refine sorting and collecting processes. Encourage feedback from employees and stakeholders to identify areas for optimization and implement best practices.

PROCESS THAT WILL BE REENGINEERED

In the future, they plan to reeingeneer all the processes, for now they have focused on first three.

ACTIONS TO BE TAKEN FOR THE REENGINEERING OF THE PROCESS:

There were some steps already taken to reeingeneer the first 3 processes:

INVENTORY MANAGEMENT SYSTEM

- assessment of current system: they evaluated the existing inventory management system to identify its strengths, weaknesses, and areas for improvement.
- implementation plan: they developed a detailed plan for implementing the new inventory management system, including timelines, responsibilities, and resource allocation.
- training and education: they provided a comprehensive training to employees on how to use the new inventory management system.

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STANDARDIZED SORTING PROCEDURES

- process mapping: they mapped out the current sorting procedures to identify inefficiencies and areas for standardization.
- develop sorting guidelines: they created standardized guidelines for sorting leftover of wire harnesses based on factors such as type, size, material, and condition.
- training and skill development: they trained employees on the standardized sorting procedures to ensure consistency and accuracy in the sorting process.
- quality control checks: they implemented quality control checks to verify that sorted wire harnesses meet the required standards before storage or further processing.

SEGREGATION OF MATERIALS:

- designation of storage areas: they identified and designated specific storage areas or bins for different types of leftover wire harnesses based on factors such as material type and condition.
- training and awareness: they educated employees about the importance of segregating materials and the specific procedures for storing wire harnesses in designated areas.
- regular inspection: they implemented regular inspections of storage areas to ensure compliance with segregation guidelines.

MONITORING

Monitoring has been going on since March 2023.

RESULTS OF THE IMPLEMENTATION

Besides better system of sorting and collecting the leftovers of wire harnesses, ELVEZ has realized that they can easily sell them to companies that need this material. It is beneficial for us, and it is also sustainable since these leftovers don't become waste, rather a component for other products.

FURTHER RECOMMENDATIONS

They would like to proceed with reeingenering other processes as well, since they realized that they are not only good for the environment, but also for their company.

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