



“TEN YEARS WORKING TOGETHER FOR A SUSTAINABLE FUTURE”

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## Case study on selective collection in electromechanical laboratories: first initiatives based on an evaluative model

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### Abstract

The objective of this research is to verify the benefits of the selective collection in electromechanical laboratories in an educational institution that offers technical courses, with the aim of verifying the current situation of the institution regarding sustainable initiatives. An evaluation was first carried out by means of a model called Sustainability Assessment for Higher Technological Education (SAHTE), in a structure composed of five axes and 134 criteria. The model presents guidelines for beginners and highlights good practices found in educational institutions. In the first evaluation, there was a low adherence to the sustainable initiatives of the institution with the 134 criteria distributed in the five axes of the model, as only 26 criteria were met. After the evaluation, a meeting was held with teachers and coordinators in which the implementation of selective collection in electromechanical laboratories was chosen, the choice being justified due to the importance of the course for the region, the number of students involved, and the total absence of Selective collection in laboratories. After the implementation of the selective collection in the laboratories, the fulfillment of 16 criteria was observed, distributed among the five axes of the evaluative model. This demonstrates that in this case, a very specific point, selective collection in electromechanical laboratories, directs the institution to meet criteria not only in the fifth axis waste, but in all five axes. This was due to the environmental awareness generated by the activity, research of the students and teachers, involvement of the collectors association and the community during the implementation of the selective collection and the insertion of the activity planned for the next classes of the electromechanical course. Actions on selective collection are necessary in the future for the entire institution.

**Keywords:** *sustainability, laboratories, electromechanical, evaluation, selective collection.*

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