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TRAINING AND ADVISORY SERVICES TO FACILITATE COMPLEX WASTE PROCESSING

Project: Moshi (Tanzania) – Tübingen (Germany) Building a composting plant for market waste in Tanzania

In the project a composting plant was planned, built and commissioned. By processing organic waste at the plant, the accumulation of waste was reduced, CO₂ emissions from irregular dumping were avoided and compost was provided to farmers for use as an environmentally sound fertiliser.

Composting is a waste recycling process that cannot be implemented without expertise. For marketing compost, it is also important that a high-quality product is produced at the end of the biochemical process. For this reason, several factors must be taken into account when building the plant (material components, moisture, aeration, etc.). These must also be adapted to local conditions (climate, waste composition). Setting up the composting process was therefore

demanding and required multiple adjustments over a long period.

Thanks to training and support measures that followed the commissioning of the plant, the project succeeded in introducing the composting process. The plant staff were trained in the use of the machines and the composting process by a compost expert on site. This took place over a long period that corresponded to the composting cycle, which lasts several weeks. During the subsequent start-up phase of the plant, which lasted several months, and the fine-tuning of the composting process, laboratory analyses were carried out. Compost experts guaranteed close professional support for the plant staff.

Success factors

- Staff were enabled to use the facility.
- Thanks to training and advisory inputs, it was possible to introduce waste processing that is more sophisticated, and for which little experience previously existed in the project country.
- Long-term monitoring after commissioning enabled the composting process to be optimised, resulting in a high-quality product.
- The quality of the compost produced enabled it to be successfully marketed.

Practical advice

1. Plan training on the use and maintenance of machines.
2. Also conduct training on waste management processes.
3. If the relevant expertise is available in the project country, commission local experts.
4. Conduct training and advisory services on site in the project country, and make this 'hands-on'.
5. To extend in-process support, online dialogue between the project partners can also be used.
6. Training and consulting can begin once the construction of the plant is completed. Expect this to become possible late on in the project or beyond.

ENGAGEMENT GLOBAL gGmbH Service für Entwicklungsinitiativen

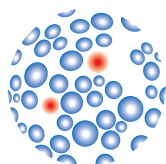
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