

KrattWorks Environmental Impact Management Scheme

Last updated: *01st August 2023*

KrattWorks is moving towards gaining ISO14001 certificate, but we are still in too early stage as a company to start this process. Therefore, we have implemented “EMAS easy” model introduced by the European Commission.

We are conducting an environmental self-assessment audit in February and August every year. This enables us to stay on a path of continuous improvement and regularly review our action plans.

Our first assessment in our new offices at Tähnase tee 2, Peetri alevik, Estonia, was done in August 2023. We did this without greeting eco-maps with a goal to get the most crucial first steps done.

EMAS easy assessment as of July 2023:

| Issue, process | Description of the situation | TODO |
|---------------------------------------|--|--|
| 1) Urban situation | | |
| Access on foot or by public transport | Poor public transport connectivity. Train station 45 minutes' walk or 9 minutes' cycling away. | Indoor bicycle parking area. |
| Access by cycling | 25 minutes bike ride from the centre. | |
| Access by Car | 8 parking lots for cars. | - |
| Flight safety | Tallinn Airport close by. | a) Create and indoor drone testing area. b) Find an area for suitable for operating drones further away from the airport and populated areas. |
| 2) Material flow IN | | |
| Electricity | TBD. | Lower heating temperature by 1C. |
| Water | TBD. | TBD. |
| Packaging | Carton cases and plastic wrap protecting the components we buy for production. | Separate bins for carton and packages. |
| Bio waste | Bio waste generates in the dining room. | Separate bin for bio waste. |
| Cans and bottles | Cand and bottles with deposit package labels. | Separate bins for deposit packages. |
| Chemical waste | Empty containers of paint, epoxide, glue and solvents. | Separate collection areas for each item and regular delivery to waste facility. |
| Batteries | Old batteries. | |
| Electronics | Unused or broken electronics components. | |

| Issue, process | Description of the situation | TODO |
|-----------------------------------|---|--|
| 3) Material flow OUT | | |
| Not mapped | - | - |
| 4) Prevention of accidents | | |
| Batteries | LiPo and Lilon batteries can ignite and cause large fires. | <ul style="list-style-type: none"> a) Separate charging area away from flammable materials. b) Separate storage area away from flammable materials. c) Separate isolated containers for charging. d) Separate isolated containers for storage. e) automated power cut-off from the battery chargers during night. f) CO2 fire extinguishers. |
| Work safety | There are various hazards in the workplace. | <ul style="list-style-type: none"> a) Select a work safety officer. b) Select a first aid officer. c) make self-aid kits available in the production area. d) make protection gear (masks, glasses, gloves) available in the production area. e) add ventilation to the area where epoxy glue is used. |
| 5) Mobility | | |
| Commute | Our location is not easy to access with public transport and bus. | If possible, enable work-from-home scheme during 2-3 days per week. |
| Travel | Travelling to meetings and exhibitions | Evaluate the need to travel before every commitment and prefer on-line meetings. |
| 6) Collection of data | | |
| Data | We lack data on water and electricity input as well as material output. | Create a system of keeping track on how much materials comes in and goes out. |
| 7) Implementation | | |
| EMAS easy | Implement ecomapping as suggested by EMAS easy methodology. | <ul style="list-style-type: none"> a) generate ecomapping templates and floorplans. b) by next evaluation execute tasks listed above in the TODO column. |

By far not all processes foreseen by EMAS easy methodology have been implemented. We will do this during the next assessment. The July 2023 assessment was carried out with the idea to map the most critical aspects of the company's environmental impact in our new location.

Green logbook will be created based on this first initial assessment.



Mattias Luha, CEO