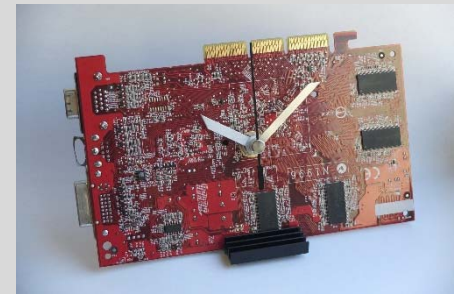
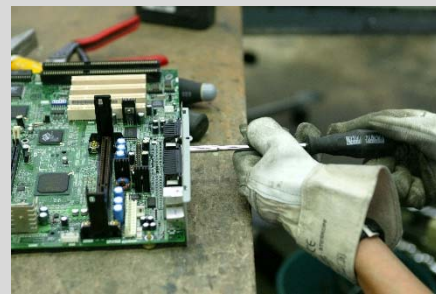


附件 4

DRZ 中心簡報



Dismantling- and Recycling- Centre for WEEE

Vienna, Austria



Eine Einrichtung
der VHS Wien



Zertifiziert
nach



Im Auftrag und
gefördert von



In Kooperation
mit



Mission

Socio-Economic Facility supported by the Austrian Unemployment Agency



Long-term
unemployed
persons



Temporary job-contracts

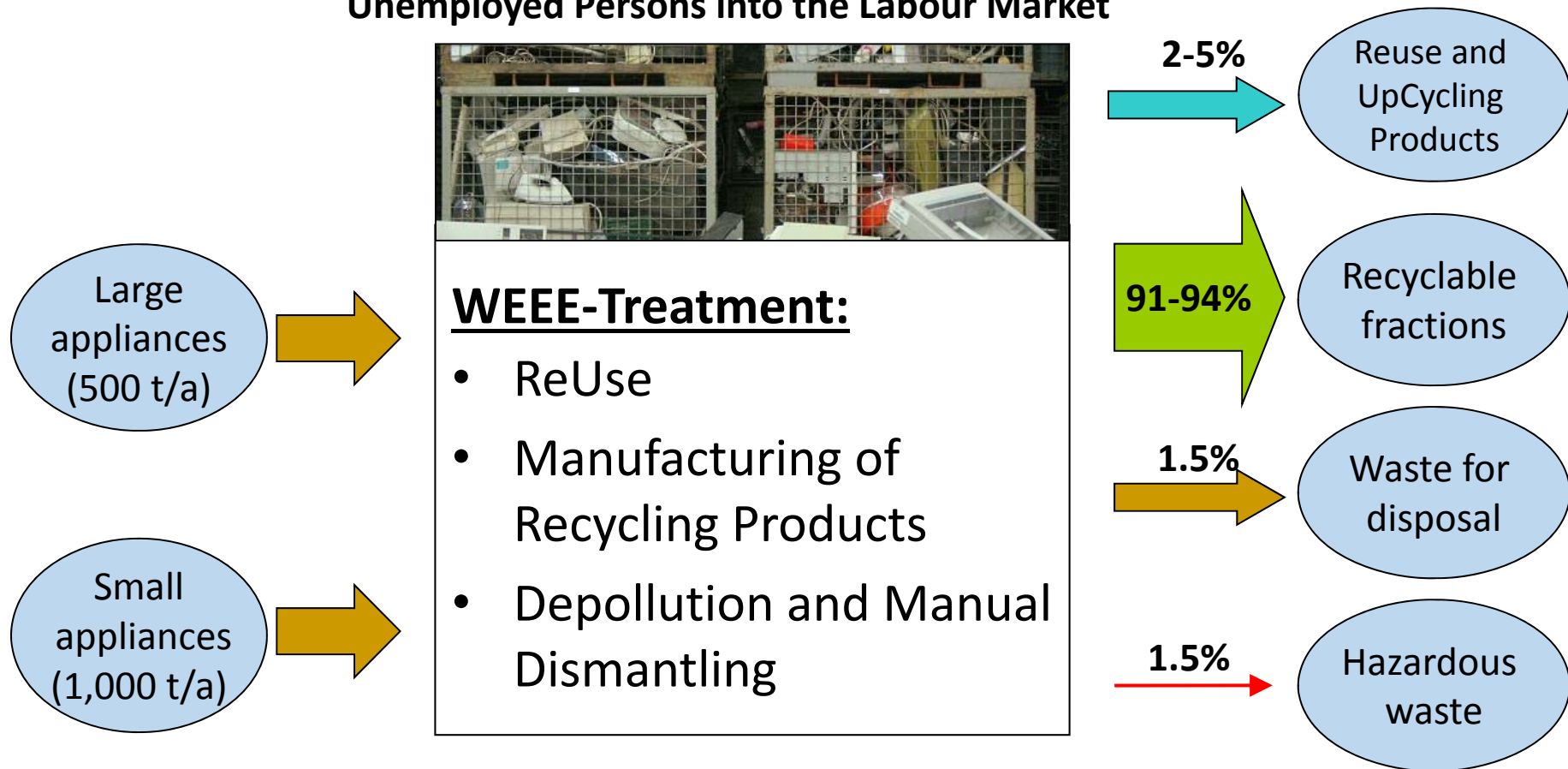
- Occupation in DRZ-departments
- Individual coaching and training
- Workshops/ professional training
- Outplacement



Primary
Job-
Market

„Vienna`s scrap keeps us busy!“

EMAS-Certified Recycling Facility Social Enterprise for the Integration of Unemployed Persons into the Labour Market

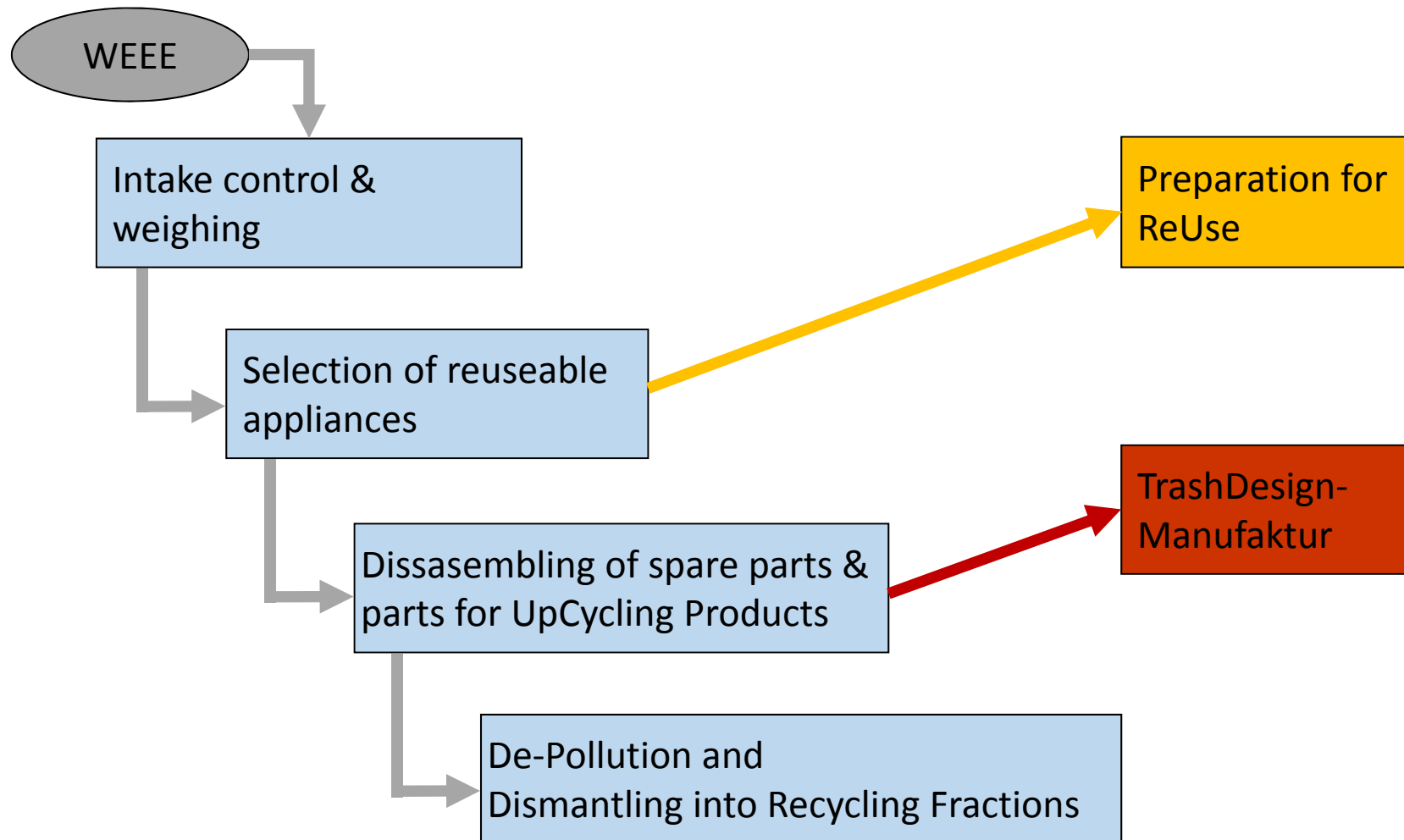


Input Mix

- All WEEE except CRT and cooling appliance
- Mixed small and large WEEE from 3 amenity sites in Vienna
- Pre-selected small WEEE with high content of contaminants (printer, scanners, Hg containing lamps, ...)
- WEEE with housings too hard for mechanical depollution („Smasher“)
- WEEE (mainly ICT) from private entities



WEEE treatment steps within DRZ



Preparation for ReUse

1. Selection of reusable appliances from input stream



2. Preparation for reuse: Cleaning, safety test, functional test



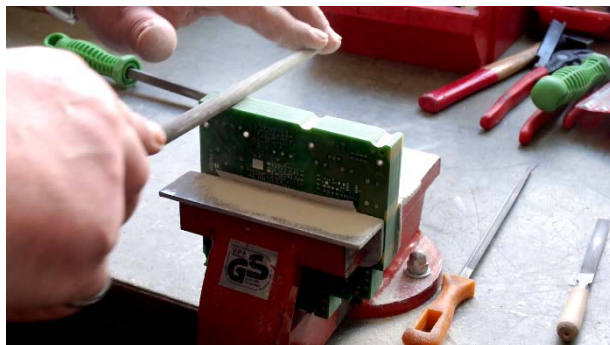
3. Sale of secondhand products



Online Shop:

www.vhs.at/drz/reuse

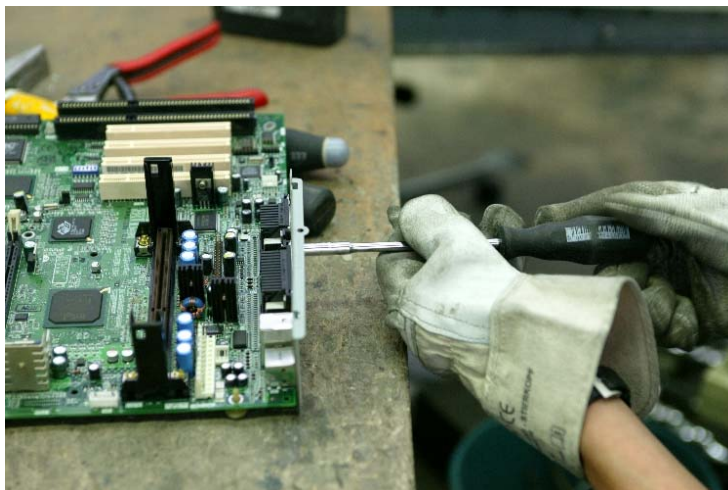
Upcycling



Online Shop:
www.trashdesign.at/

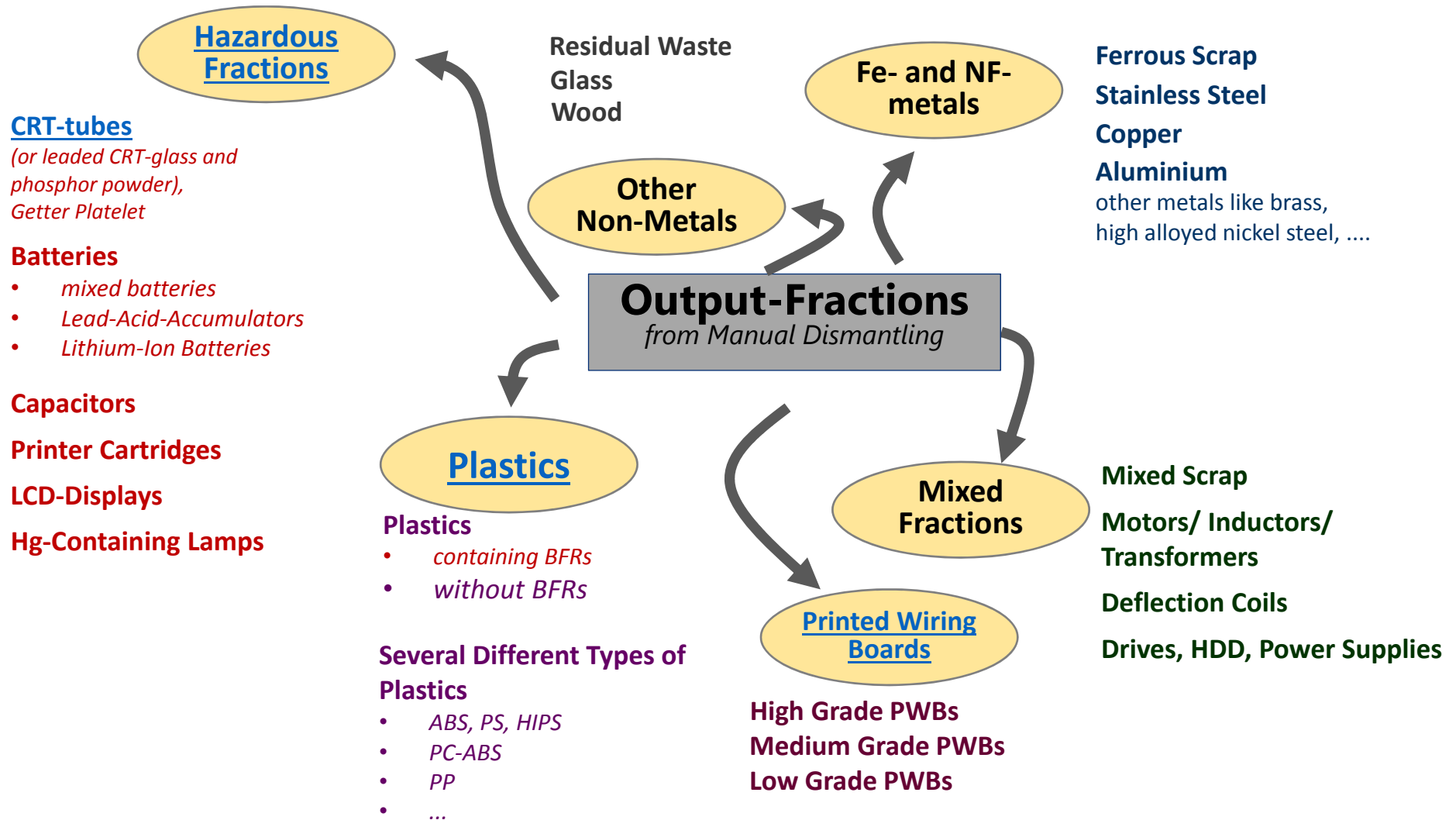
Manual Dismantling

- pure manual dismantling of appliances
- Cleaner fractions lead to higher recycling rates within the following treatment step compared to mechanical pre-treatment



Devices with relevant contaminants	Housings too tough for „Smasher“
<ul style="list-style-type: none">• Printers• Copiers• Scanners• Luminarias with Hg-containing lamps• ICT containing lead accumulators	<ul style="list-style-type: none">• Microwaves• Lawnmowers

Downstream Optionen



Research & Development



- Project partner within two EU funded projects
 - CloseWEEE: Establishment of an information platform for recyclers - RIC
 - [RUN](#): Collection and re-distribution of used notebooks
- Cooperation with universities and other research institutions in and outside of Austria
 - Activities at „Kinderuni“ in Vienna
 - Active contributor to E-waste Academy for Managers in 2014 (El Salvador) and 2016 (Kenya)
 - E-Waste trainings in Cambodia, Columbia and Ghana
 - Business Plans for E-waste dismantling facilities in Uganda, Ethiopia, Cambodia
- [Business Plan Calculation Tool](#)
 - Based on 3 dismantling depth
 - Calculates required resources (manpower, space, infrastructure etc) and break even
 - Publically available via Step website (www.step-initiative.org)
- Member of the Solving the E-Waste Problem (Step) Initiative, ReUse Network Austria and RepaNet

Support for int. development



- Training programmes at our facility in Vienna
- Training workshops at the location
 - Dismantling
 - Downstream processes
 - Plant layout
 - Financial planning
- Support to develop a business plan for the set-up of a manual dismantling facility taking into account national framework conditions
- Broad network of relevant stakeholder on international level (academia, private sector, NGO, IGO,...)

Thanks for your attention!



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www.drz-wien.at



Eine Einrichtung
der VHS Wien



13^{te} BILDUNGS-JUGEND
MIT BEWEGEN WIEN.

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