

UrbanGold Technologies

The most advanced way of operating a WEEE recycling plant



UrbanGold
recycling for a green future

*Your Partner for developing, designing,
and realizing metal recycling projects*

- ✓ Tailor-made in respect to size, raw materials, and products
- ✓ Maximum flexibility for all different types of copper and precious metals containing e-waste fractions
- ✓ Modular and expandable design
- ✓ All-inclusive solution
- ✓ Production of easy marketable products
- ✓ Patented solution

BENEFIT

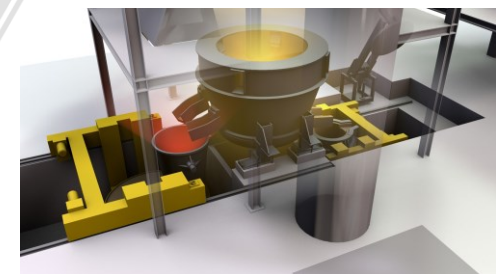
Recycling of e-waste requires the enrichment of metals, as well as the separation of unwanted accompanying substances. The high content of organics can overheat metallurgical vessels and the light metals content complicates slag metallurgy. A modern and effective off-gas system is required due to the impurities content. As a result, processing of e-waste is the top class of metallurgical recycling.

With our processing solutions, we stand out of the crowd and our **HENRI Smelter** represents a new state-of-the-art for e-waste processing. We provide solutions for proper metallurgical treatment of all nonferrous qualities of e-waste – including the lowest ones. Our focus is the **metallurgical process** to combine the advantages of both pyro and hydrometallurgy while reducing the disadvantages of each. Flexible recycling concepts for almost all kinds of e-wastes have been developed – ensuring a high yield for all valuables.



- ✓ **Project support:** We are your partner, from the initial project idea – via all phases of project development and engineering – from construction, to start-up, operation, and optimization
- ✓ **Market, feasibility, and concept studies:** We can carry out all types of studies within the feasibility and development phase to improve your business case as a basis for further project funding
- ✓ **Process engineering:** We provide detailed mass and energy balances, estimate the results of your facility operation, and prepare the basis for equipment design and infrastructure planning
- ✓ **Basic engineering:** The basic engineering is the fundamental design of the facility including auxiliary equipment; it usually provides enough information to start civil engineering and permitting procedures
- ✓ **Equipment supply:** Either as single contractor or as part of a consortium we supply metallurgical equipment for processing your volume and quality of e-waste fractions
- ✓ **Knowhow transfer:** Especially in cases of existing facilities, our knowledge of e-waste processing can be provided by on-site trainings and workshops, as well as by software packages to support facility operation

SERVICES



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