

# UrbanGold Technologies

## Competence in Recycling & E-waste Processing



**UrbanGold**  
recycling for a green future

- ✓ Tailor-made in respect to size, raw materials, and products **BENEFIT**
- ✓ Modular and expandable design
- ✓ All-inclusive solution
- ✓ Production of easy marketable products

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 offgas system is required due to the impurities content. As a result, processing of e-waste is the top class of metallurgical recycling.

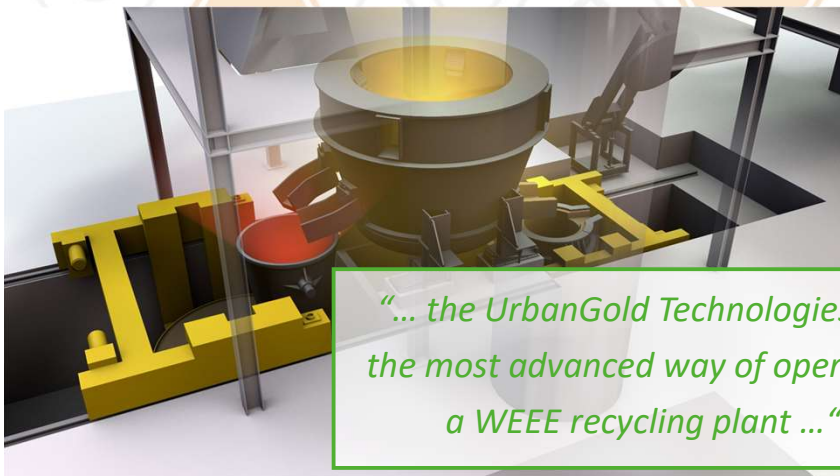
With our processing solutions, we stand out of the crowd and our **HENRI smelter** represents a new state-of-the-art for e-waste processing. We provide solutions for proper metallurgical treatment of all nonferrous qualities of e-waste – including the lowest ones. Our focus lies on the **metallurgical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



Our services for implementing the UrbanGold Technologies are:

- ✓ **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 desired 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 onsite trainings and workshops, as well as by software packages to support facility operation

## SERVICES



*“... the UrbanGold Technologies are the most advanced way of operating a WEEE recycling plant ...”*



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