WHAT ARE SHARED INFRASTRUCTURE AND SERVICES

Industrial symbiosis through shared infrastructure and joint services refers to the sharing of company infrastructure with other industry players when that infrastructure is used below its designed capacity or the joint provision of services between two or more companies in a coordinated manner, bringing mutual benefit.

WHAT ARE ICA MEMBERS DOING?

- Engagement in consortia to develop solutions to increase the sustainability of the industries involved in the battery sector
- Creation of partnerships to boost recycling and management of electronic devices
- Joint ventures and practices to tackle larger industrial issues
- Shared facilities to treat specific material streams
- Engagement with universities to test and push the boundaries of Industrial Symbiosis

INDUSTRIAL SYMBIOSIS: THE OPPORTUNITY FROM SHARED INFRASTRUCTURE AND JOINT SERVICES

Industries and authorities must address resource scarcity, climate change, and land use change sustainably. Joining forces in infrastructure and services can overcome these challenges. The copper industry practices industrial symbiosis to boost operational efficiency in key areas (e.g., heating, logistics).

Industrial symbiosis involves valorizing production output and resources by other sectors (e.g., water, energy) and sharing infrastructure & services among multiple actors. This approach offers great potential for the participating sites operating in proximity.

BENEFITS OF INDUSTRIAL SYMBIOSIS

- Cost cuts
- Resource use optimization
- Increased expertise and collaboration
- Enhances sustainability

For more information about the copper industry’s commitment to sustainability, please check our website www.copperalliance.eu

Follow us on LinkedIn and X