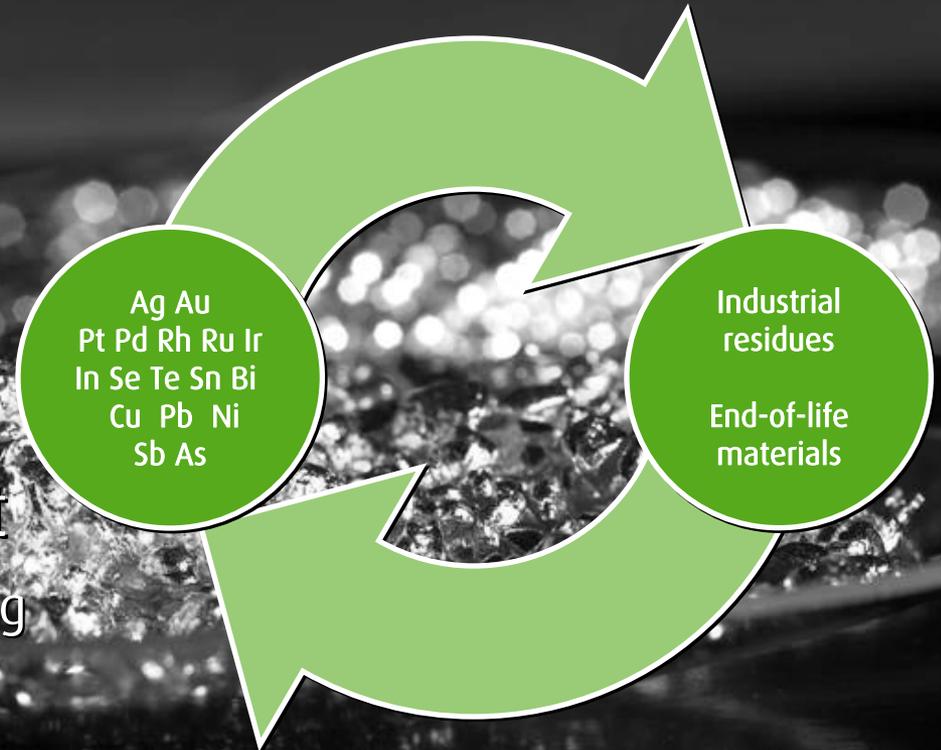


# Business group Recycling

Hugo Morel  
Executive Vice President  
Capital Markets Event on Recycling  
18-19 Nov 2010



# Recycling

## Precious Metals Refining

- Largest and most complex precious metals recycling operation in the world
  - Proprietary processes mastering a complex feed with the highest degree of flexibility
  - Efficient recovery of 17 different metals

## Battery Recycling

- Proprietary new UHT technology for the treatment of spent rechargeable batteries
  - Driven primarily by the electrification of the automobile
  - Unique and clean process
  - Full service offering to customers
  - Pilot plant under construction

# Recycling

## Jewellery & Industrial Metals

- Leading provider of Ag and Au materials for jewellery and industrial applications
- Closed loop offering including recycling of high-value scraps & sweeps
  - This offering makes a strong fit with the Recycling segment

## Precious Metals Management

- Provides superior precious metals management service to Umicore's business units and external customers
- Proprietary trading, within strict risk control parameters
- Marketing precious metal bars/ingots for investment

## The benefits of Recycling for other Umicore activities

- The Recycling business group acts as a competence centre to support closed-loop and recycling activities in other business groups
- Recycling provides other benefits for our businesses eg:
  - Can supply ~50% of precious metals requirements for Catalysis and Performance Materials
  - Can supply indium and nickel for Energy Materials
  - Metals Management services
- Product, application and market knowledge gained through the recycling process can be of use in the product businesses and vice-versa

## Forward-looking statements

This presentation contains forward-looking information that involves risks and uncertainties, including statements about Umicore's plans, objectives, expectations and intentions.

Readers are cautioned that forward-looking statements include known and unknown risks and are subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond the control of Umicore.

Should one or more of these risks, uncertainties or contingencies materialize, or should any underlying assumptions prove incorrect, actual results could vary materially from those anticipated, expected, estimated or projected.

As a result, neither Umicore nor any other person assumes any responsibility for the accuracy of these forward-looking statements.

## Hugo Morel

### Executive Vice-President Recycling



Hugo Morel holds a Masters degree in Metallurgical Engineering from the University of Leuven. He joined Umicore in 1974 and held several positions in production, commercial, strategy and general management. He headed the Zinc Chemicals business unit from 1996 to 1997 and was appointed to his present position in 1998. He joined the Executive Committee in 2002.