

**Customer:**  
Zinc Oxide manufacturer: Europe

**Objective:**

- Reduce energy consumption
- Increase productivity

**Furnace:**  
Gas Fired

**Productivity:**  
Increased by 30%

**Gas usage:**  
Reduced by 132,000 m<sup>3</sup>/year

**Energy costs:**  
Annual Energy costs reduced by  
€ 52,800

**Requirements:**

- Good thermal shock
- Better heat transfer through crucible body

**Problems:**

- High energy costs
- Low productivity

**Improvements:**

- Shorter cycle time
- Reduced energy usage
- Improved productivity

## FOSECO PRODUCTS

+ ENERTEK\* ZnO Retort



## KEY BENEFITS

+ Higher productivity  
+ Lower energy consumption  
+ Reduced manufacturing costs

## ENVIRONMENTAL BENEFITS

+ CO<sub>2</sub> emission reduction\*:  
266 tonnes per year

CRUCIBLES – ZINC OXIDE



\*The metal is melted in a gas furnace, this results in an energy saving of 132.000 m<sup>3</sup> gas generating 2.016 kg CO<sub>2</sub> per m<sup>3</sup>. COMMENT: Editorial policy is to highlight the latest Foseco products and technical developments. However, because of their newness, some developments may not be immediately available in your area. Your local sales organisation will be pleased to advise. No part of this publication may be reproduced, stored in a retrieval system of any nature or transmitted in any form or by any means, including photocopying and recording, without the written permission of the copyright holder. © Foseco International Ltd., 2017, \*ENERTEK is a trade mark of the Vesuvius Group, registered in certain countries, used under licence.