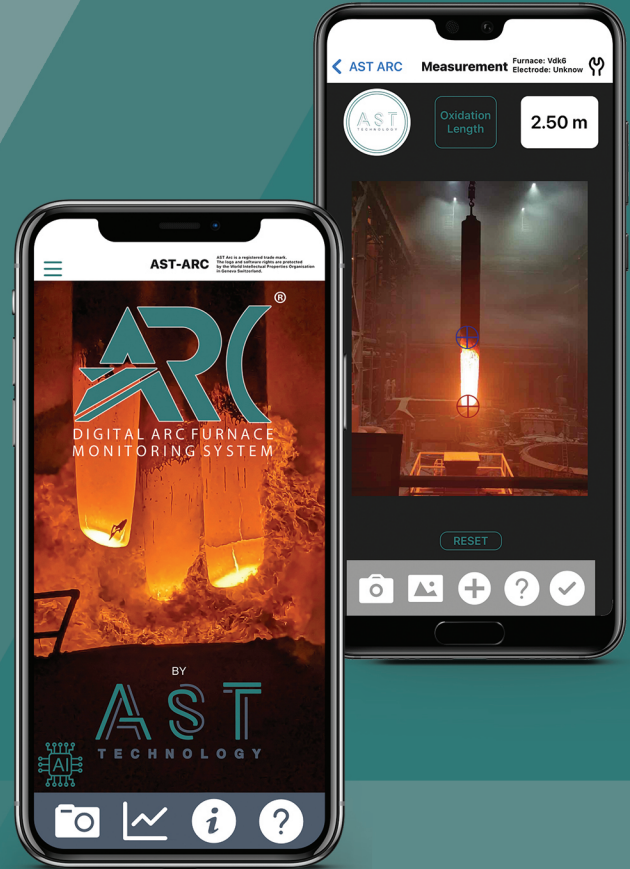




# AST-ARC Application

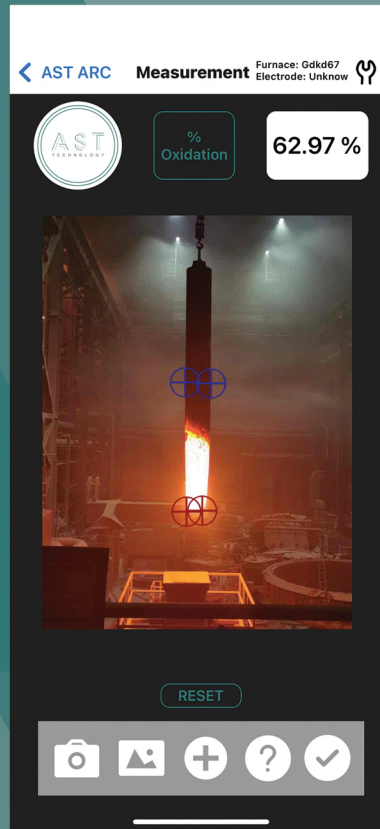
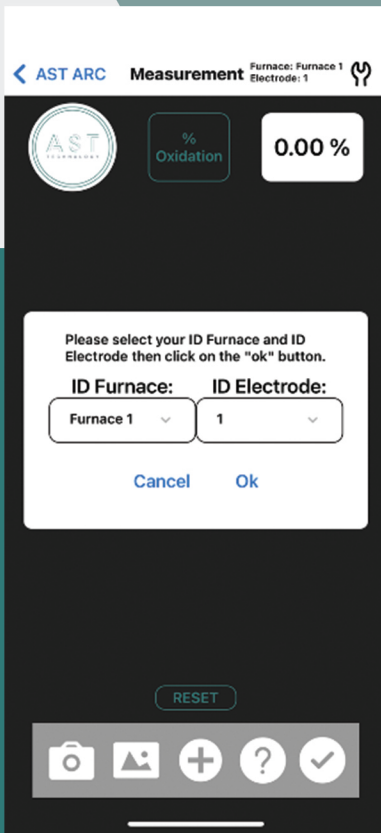
(By AST Technology part of ALTech GROUP)

- Easy to use application
- Available on Mobiles and Tablets (Android and iOS)
- Monitor and benchmark Electrode Performance (On-site realtime and Off-site historial)
- Beta version with AI capabilities



## Performance improvement through digital data and image analysis

-  Graphite Electrode specific consumption is a significant part of the steel conversion cost. Realtime and historial of electrode performance monitoring and analysis is key to achieve optimal steel conversion cost.
-  AST-ARC application enables you to monitor among others the realtime oxidation rate in a very accurate and very easy manner.



# AST-ARC is your gate for ARC FURNACE AI Digital Monitoring

When the electrode column is up on the furnace, picture is taken by the camera.

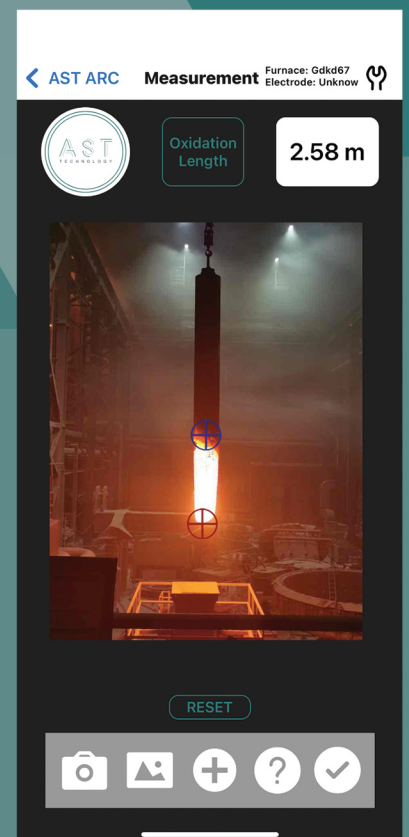
Analysis of the oxidation lengths and on the tip diameter is calculated

instantaneously. When this

operation is made on each basket, the sublimation rate and oxidation rate including dissolution are calculated.

Therefore, consumption at the tip and consumption by oxidation are calculated by kWh, MT, power on time, power off time,  $kA^2$ .

Non-linear consumption such as: chunking, stub losses, breakage, are also captured and analyzed by the AI algorithm.





**Android**  
Scan this code & Downloads on your phone and tablet




**iOS**  
Scan this code & Downloads on your iPhone and iPad

AST-ARC<sup>®</sup> is a registered mark and the application is protected by intellectual property rights.

 Les Champs Blancs 67, Chavannes de Bogis  
CH-1279 Geneva, Switzerland

 [ast-arc@ast-arc.com](mailto:ast-arc@ast-arc.com)

 [www.ast-arc.com](http://www.ast-arc.com)