
TECHNICAL SERVICES







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Giving an added value to customers is UKCG's core focus. UKCG brings to our customers the expertise of globally renowned regulation specialists and project engineers.

1. Electrode I²t Optimisation

I²T is an electrical measurement that gives an electrode consumption value during furnace operation:

- Evaluate with periodical I²T changes
- Identify when electrode consumption has increased and find the reasons why
- Lower I²T with efficiency without impacting PowerON times

2. Preventing Electrode Breakage Analysis

Optimise and fine tune regulator's electrode protection systems and / or develop logic to implement protection from:

- Scrap cave-ins (inverse over-current curve logic protection)
- None conductive charges (NCC logic)
- Loss of furnace reference (grounding checks)

3. Power Curve Analysis And Develop Power Profiles

Obtaining real power curve data to determine actual furnace operation in order to develop and modify actual or new power profiles to achieve:

- Efficiency: Decrease Kwh/Ton, electrode consumption
- Productivity: Decrease PowerON time
- Avoid operational issues: Arcing with roof, refractory wear, scrap accumulation, flicker reduction, stability factor control, plus many more

“Finding the problem is just the first step, giving a solution and solving it is our commitment. This is what really makes the difference.”



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