

Summary for Global Solutions Carl Mesters Podcast on the Sulphur Paradox

Concerns about pollution mean that limits on sulphur in retail fuels continue to tighten across the world. According to Chief Scientist Carl Mesters these lower specs for mogas or gasoil will be imposed increasingly in developing markets, while the pinch points for mature markets may be marine fuel oils. As “easy oil” increasingly fails to meet demand, more difficult feedstocks with higher sulphur are increasingly used; senior refinery managers are asking themselves how they can maintain efficiency, throughput and margins in this environment, and how to effectively deal with increasing amounts of produced sulphur on site. This is becoming more commonly known as the sulphur paradox.

Are you, like many others, experiencing this paradox? Are your refinery operations able to process increased sulphur feedstocks efficiently, sustaining improvements in margins and achieving maximum uptime with minimum downtime?

In this 10 minute podcast, Dr. Carl Mesters, Shell’s Chief Scientist for Chemistry and Catalysis, talks about this paradox and the growing challenge that is places on the Global Refining industry. Carl focuses on some of the questions that senior refinery managers are asking:

- What specifications will you be faced with over the next 5 to 10 years?
- What are the biggest technological issues that this is likely to create for you?
- What questions should refinery senior managers ask of their technical and catalyst teams?
- What is the bottom line impact of this paradox on those managing refinery envelopes?
- How can emerging catalyst technologies and alternative ways to manage catalysts really help with managing your refinery through this paradox?

Carl discusses these questions and gives insights into the challenges being faced, emerging catalysis technology, and how to work with your providers to deliver the best output for your refinery.