22. - 23. Feb. 2023

Undesired Deblending and Separation in Processes and Equipment

Lehrgang – Online
Bearbeitet von am 25. Jan. 2023
"Identification of common segregation mechanisms and how to minimise the effects"
The issue of de-blending (segregation) of bulk particulates is one that afflicts many diverse industry sectors. For single materials and blended materials the presence of segregation within a process can be apparent as fluctuations in bulk density, chemical composition, shifts in size distribution or even unpredictable flowability issues. These types of problems invariably lead to the generation of waste through out of range product weights (tablets/ pack fill), poor processing characteristics or variable quality end products in general.

This short course covers:

- Identification of the most commonly encountered segregation mechanisms
- Examples of how segregation has occurred in plant
- Techniques that can be applied in plant design to minimise these effects

Different types of segregation will also be identified; air-induced, rolling, surface effect, percolation.

Course Dates

22 - 23 February 2023

The course will run online over 2 days between 09:00 - 12:00; both sessions need to be attended to complete the course.

Each day provides an opportunity to discuss operational issues with the presenters and other delegates.

Course Fee

£450 per delegate. Discounts are available for group bookings and returning delegates.

Registration

Registration and payment is available via the on-line shop.

A link to join will be sent over in the week before the course begins

Subjects covered

During the course discussions will take place to highlight material types that are most at risk of segregation and the most commonly encountered mechanisms of segregation in process plants. The influence of plant design and operation on the severity of de-blending will be covered and the use of counter measures will be dealt with and illustrated using industrial examples.

Is this for me?

If you are a plant designer, plant manager or work in maintenance, this course will improve your ability to deal with the design and troubleshooting of plants.

You'll also benefit if you are from operational staff or senior management through a better understanding of what can go wrong and how to make your plant as efficient and trouble-free as possible. The course is ideal for those new to materials handling, those who require an update on the subject, or those who need a working knowledge of a wide variety of materials handling technologies.

Course team

The course leader is Richard Farnish, Consultant Engineer, with over twenty years' experience in commercial design work related to materials handling.

Contributions may also be made from the rest of the Team, including
Mike Bradley, Professor of Bulk and Particulate Technologies and Director of The Wolfson Centre. He has worked internationally on design and troubleshooting of bulk solids handling as a commercial consultant and research expert for over twenty years;
Dr Baldeep Kaur, whose interests lie in characterisation and transportation of bulk materials;
Dr Vivek Garg, whose interests lie in powder flowability;
Dr Lucas Massaro Sousa, whose interests lie in fluidisation, solid feeding devices and CFD simulation;
Dr Atul Sharma, whose interests lie in pneumatic conveying systems.

Please note that The Wolfson Centre reserves the right to substitute leaders of equal quality should this be dictated by circumstances beyond their control.