



17. - 19. Oct. 2023

Overview of Particulate Handling Technology

Course – Chatham, United Kingdom

Edited by on 25. Jan. 2023

"An introduction to the storing and handling of bulk materials, equipment selection and design methodologies for safe and reliable plant"

This is an intensive short course designed to introduce the technology of storing and handling bulk materials. It also covers the problems that can result from incorrect equipment selection, and looks at appropriate design methodologies for safe and reliable plant. Specially prepared by the Wolfson Centre for Bulk Solids Handling, this course has already been attended by over three hundred engineers from industry and is regularly updated to reflect new developments and changes in industrial practice.

You will learn:

- Techniques for reducing product degradation during handling
- How to troubleshoot problematic systems
- Ways to reduce maintenance, repair and unplanned stoppages to material handling hardware
- Design fundamentals for specifying equipment
- Characterisation of materials
- Relevant case studies from industry

Course dates

17 - 18 October 2023; 9am – 5pm

Practical workshop: 19 October 2023 9am - 5pm

There will be plenty of opportunity to discuss operational issues with the presenter and other delegates.

Course Fee

£825 per delegate (this fee includes all refreshments and lunch through the day as well as an evening meal on the first night of the course)

Practical workshop: £435 per delegate

[Discounts](#) are available for group bookings and returning delegates.

Registration

Registration and payment for the courses and practical session is available via the [on-line shop](#).

Format

This course emphasises the practical aspects of technology. You'll begin with a comprehensive introduction to materials handling, before moving on to the more detailed subjects.

Subjects covered

- Introduction to storage and handling of bulk materials
- Hoppers and silos
- Pneumatic, screw and belt conveying
- Characterisation of bulk solids
- Dust Control
- Sampling
- Discharge aids
- Feeders
- Segregation, degradation and caking

- Operational problems and troubleshooting
- Case studies are used throughout to illustrate the presentations, and substantial discussion periods are included to permit the analysis of specific problems experienced by attendees

Practical Workshop

The workshop will allow delegates the opportunity to participate in demonstrations using some of the equipment discussed in the course. For more information on the workshops please see [here](#)

Is it 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.

Venue

The course and workshop will take place at the University of Greenwich Medway campus in Kent ME4 4TB

Course team

The course leader is [Richard Farnish](#), Technical Director, who has 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.

