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## Successful Powder Plant Design Tutorial - Seminar

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### What you will learn:

It is estimated that plants that handle / process powders or bulk material are currently running at about 60% efficiency. This situation is primarily due to unscheduled downtimes. Many of these downtimes are due to poor flow through powder handling systems. Design of robust systems to handle or process powders is of paramount importance. This tutorial addresses the subject of powder process design to avoid hang-ups, prevent flow stoppages, control process flow rates, prevent segregation of key components or provide blending during processing. Interface to feeders, agglomerators, mills, leaching vessels and other processes units will be discussed. Our approach to solving these process issues is to base the robust plant design on measurement of key flow properties at process conditions and using sound design procedures based on the results of these flow properties tests. Course attendees will learn the relationship between flow in process vessels and the material properties that control process behavior. We will provide you with guidance to determine which solutions will work for your particular material and which should be avoided. The discussion will be based on sound scientific principles with practical applications to aid the practicing engineer.