

Continuous Primary Processing - From an R&D Concept to Implementation at an Industrial Scale

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A series of industrial case studies will be used to illustrate the way various companies have approached going from considering continuous flow as a research tool through to manufacturing using continuous manufacturing. The presentation will show that a multidisciplinary approach is required to achieve these goals as projects transition from the chemists' domain to one led by chemical and mechanical engineers.

The presentation will also touch on the need for modularity, robust materials of construction, scalable reaction control & standardization when implementing continuous processing for primary processing of small molecules.

A particular focus will be on industrial cases including a CMO who had an ROI < 21 days, a manufacturer who switched 70 % of a multi-stage process to continuous for a high potency (OEB-5) compound & the first filing of a generic API using continuous manufacturing.

