

1. „Cold“ Trial Phase

Optional in advance: Mutual confidentiality declaration

1

Online question-naire for raw material, objectives, envisioned process conditions, etc.

2

Raw material will be supplied: approx. 4 liters of material powder incl. safety data sheets by customer

3

„Cold“ fluidisation trials in lab unit to determine the fluidization parameters for the fluidized bed

4

Technical report with recommendations for „hot“ fluidization trials

2. „Hot“ Trial Phase

5

Design meeting
Determination of trial runs and process parameters, visit of lab and technical center facilities

6

Offer proposing the trial execution based on a test program / technical center trials / order placement

7

Technical center trials in DIP reactor (5-8 liters) in the presence of the customer, recording and documentation of all process data

8

Technical report and possibly initial cost planning of a production system

3. Scale-up Phase

A

Offer proposing the trial execution based on a test program for scale-up trials / order placement

B

Process optimization and preparation of scale-up trials

C

Scale-up trials up to 120 liters in one of the pilot systems, batch or semi-continuous operation possible

D

Technical report
Documentation of the scale-up trials

4. Production Phase

I

Determination of required system and process parameters and **concept preparation** for commercial system building

II

Contract production of a specific sample quantity after offer based on previous trials

III

Offer preparation for a commercial production system / order placement

IV

Engineering, system components, assembly (EPC) and start-up