



Program 3-day training Advanced feed technology

Provides deeper understanding in the feed manufacturing process. After the training participants are better equipped to advise on content / think about optimization of machines & process. This training is a theoretical course with a practical component.

Target group: experienced engineers, project managers, account managers, operators and process technologists with a multi-year working experience in machine construction / process technology. Level: Bachelor/Master

Teacher: Dr.Ir. Menno Thomas from Zetadec

Day 1: **grinding / mixing**

08.30 - 09.00	introduction participants and program
09.00 - 10.30	theory block A: theoretical background Subjects: particle size evaluation, grinding, equipment
10.30 - 10.45	coffee break
10.45 - 12.30	theory block B: theoretical background mixing Subjects: background information on mixing, homogeneity, segregation
12.30 - 13.00	lunch
13.00 - 14.00	theory Block C: quality Subjects: influence grinding, mixing & mixing uniformity on feed quality
14.00 - 16.00	parameters in practice: at working milling and mixing lines in pilot plant capacity / peripherals / settings & evaluation settings and measurements
16.00 - 17.00	to be completed further

Day 2:

conditioning / pre-compaction / pelleting / cooling

08.00 - 09.30	theory block A: theoretical background conditioning & pre-compaction Subjects: heat and moisture diffusion, interaction with raw materials
09.30 - 09.45	coffee break
09.45 - 11.30	theory block B: theoretical background pressing & cooling Subjects: different types of conditioners
11.30 - 13.00	lunch & visit Vitelia compound feed producer
13.00 - 14.00	theory Block C: quality Subjects: influence of pelleting conditions on pellet quality
14.00 - 16.00	parameters in practice: at working press line in pilot plant capacity / peripherals / settings & evaluation settings and measurements
16.00 - 17.00	to be completed further

Day 3:

extruding / drying / vacuum coating

08.00 - 10.30	theory block A: theoretical background extrusion / drying Subjects: types of extruders, construction of extrudes, screw design and specifications, operating conditions, interaction with raw materials.
10.30 - 11.30	theory block B: theoretical background vacuum coating Subjects: optimal operation / preconditions / different types
11.30 – 13.00	lunch & visit storage raw materials
13.00- 14.00	continuation theory block B: theoretical background vacuumcoating & extrusion.
14.00 - 16.00	parameters in practice: with working extruder / vacuumcoat line in pilot plant capacity / peripherals / settings & evaluation settings and measurements
16.00	closing session