

Jongia technology and training center

Jongia believes in continuous improvement. Customers all over the world come to us with a variety of challenges. In our state-of-the-art technology and training center, we consider every aspect of the business case, challenging ourselves for the most sustainable, efficient and cost saving solutions.

We invite you to **share your ideas** with us, are you **ready for the challenge?**

HOW DOES THE TECHNOLOGY CENTER OPERATE?

Measuring is key, so we conduct extensive research on the liquids and solids involved. Research includes processes like solvability, density, settling velocity but also the flow behaviour of the liquid at different shear rates to measure the rheology.

SIMULATION FOR ANALYSIS

We use advanced computers and Computational Fluid Dynamic (CFD) simulation to conduct every possible analysis. Our test rigs are used for the simulations; small ones at first. The next step is to scale up to an existing tank of no fewer than five thousand litres. This tank enables us to stir or mix from above, the side or from the bottom, with every possible type of impeller. We continue until we have achieved the best process results before taking the final step at the clients site.

LEASE UNIT

Jongia offers the option to run a pilot at your own site. We have developed a special lease unit, which is easy to transport and install. You can experiment as much as you like, supported by our many innovative mixing technologies offered.





A few examples of challenges

ADDING VALUE OUT OF THE BOX?

Salinen Salz, an Austrian producer of consumer salt, wanted to buy 2 new reactors of 4.000 m3 each to boost production. Jongia's customer approach was different, we developed new agitators to replace the old agitators in the existing reactors. This out of the box approach resulted in real adding value and a CAPEX saving of € 1.800.000,= and yearly OPEX savings of € 230.000,=.

CARE REQUIRED

Protix, a Dutch company and market leader in insect breeding, is breeding larvae for sustainable protein. To prevent the larvae from sticking together during the stirring process, Jongia came up with a customized solution. Of course, the low shear agitator technology we supplied ensured that no larvae were damaged.

RIGHT INTO THE CORNERS

Aben Green Energy, a Dutch biogas plant owner, has round digesters with side entry agitators. While expanding their plant, they signaled unused space between the silos and decided they would build square tanks instead. The challenge for Jongia was to design unique industrial agitators that could mix from the top right into the corners. Challenge completed!



Are you up for the challenge? Please contact us, using the options below:



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mixing technology