

Climate
action with
every brew

Let's concentrate!

~~ALFA~~
~~LAVAL~~

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Why concentrate beer?

Revos – the technology to concentrate beer without impact on quality

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Why beer concentrate? The obvious ...

– Less transport reduces cost and decreases CO2 emissions



- Reduce cost of bulk transportation by up to 80%
- 5-15EUR/ HL saving potential



- Reduce CO2 emissions from transport by up to 80%

And the perhaps not so obvious?

– Beer concentrate opens up for optimisation in many areas...



Struggling with high investments for None Alco beer?

Decrease, delay and de-risk investment needed to brew none-alco beer by centralising capabilities to fewer breweries enabled by cost efficient bulk transport of beer concentrate



Are certain regions / markets NPD margins diluted due to high logistics cost?

Increase profitability of NPD from year 1 by shipping beer concentrate instead of finished goods



Constant need for more BBT capacity?

Concentrate your beer and increase your current BBT capacity with 5-6 times

BREWED
UNDER
LICENSE

Struggling with beer quality in "brewed under license" markets?

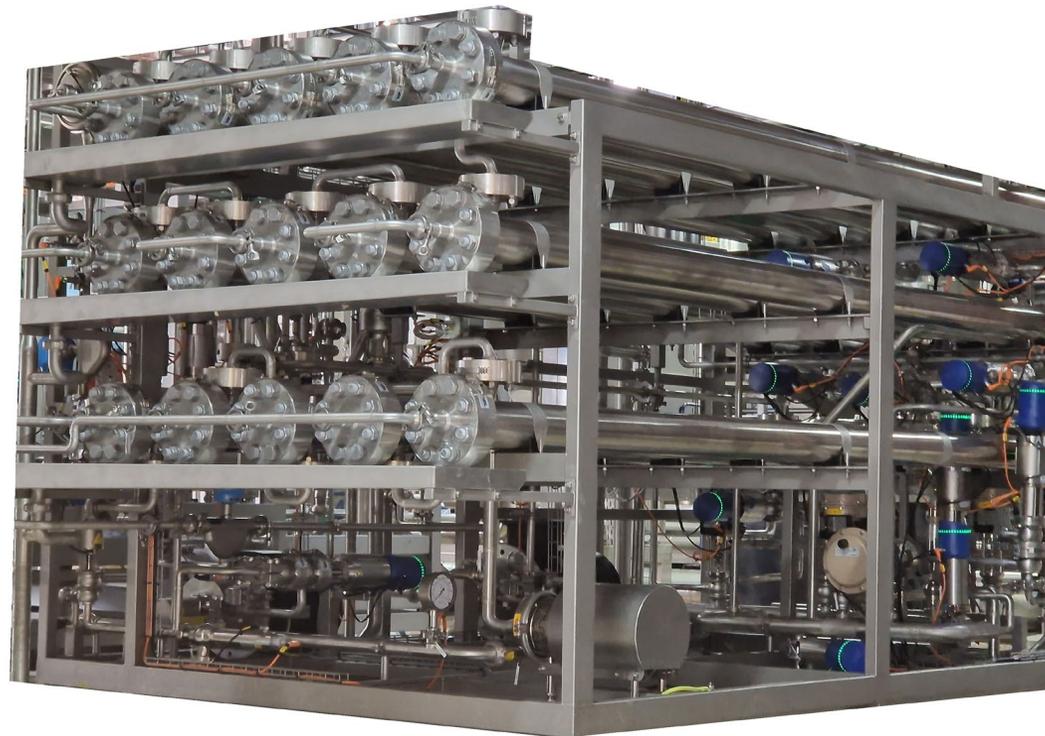
Remain in control - brew, concentrate, ship and let your partner add water close to consumers

Alfa Laval Revos technology

- "Normal" beer goes in, out comes concentrated beer and pure water



Beer in



Concentrated beer out

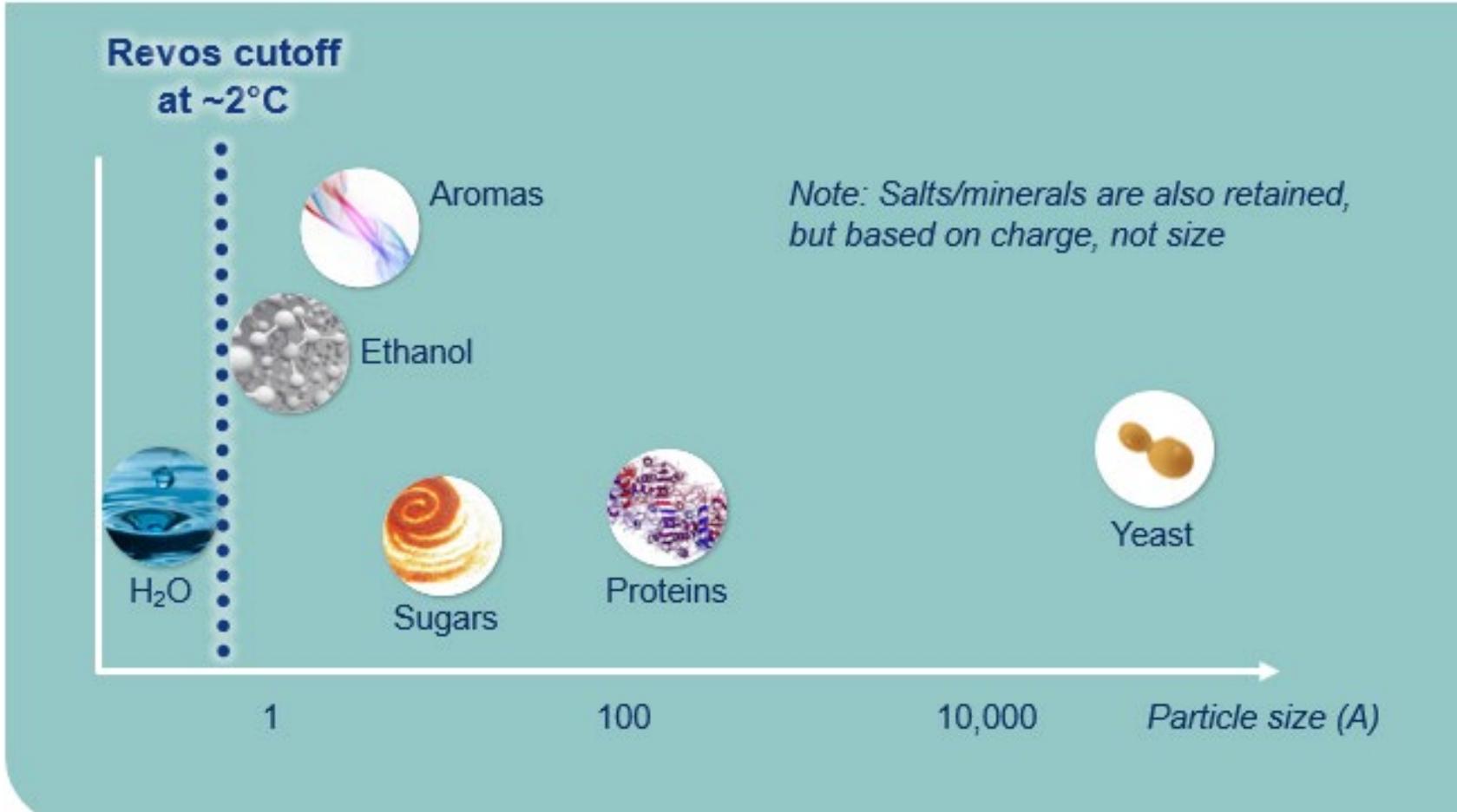


Water out



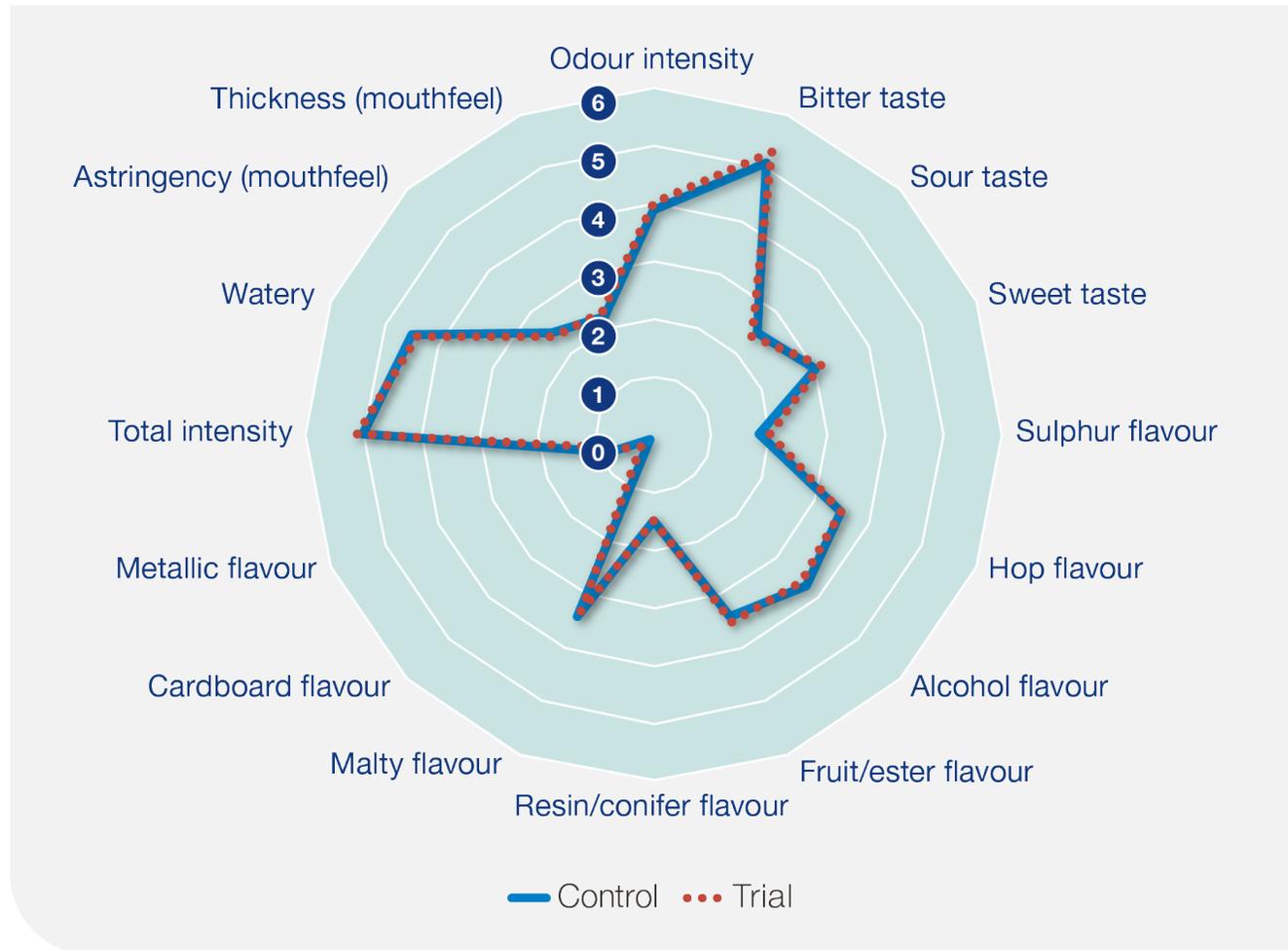
Revos technology differentiation for concentration

- Tight membrane pore structure secures perfect taste match between original and reconstituted beer



Sensory example: freshly reconstituted

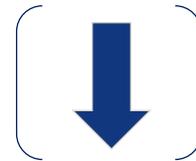
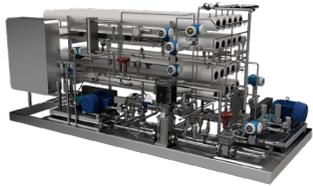
– Comparison of fresh beer and reconstituted Revos concentrate



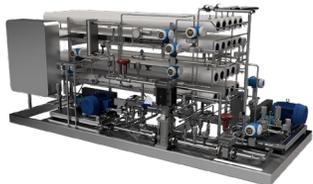
What beer concentrate works best for your beer?

– Several possibilities to optimise your beer concentrate flows

Revos



Revos



Re-draft

Reduce your beer's CO2 footprint with concentrate

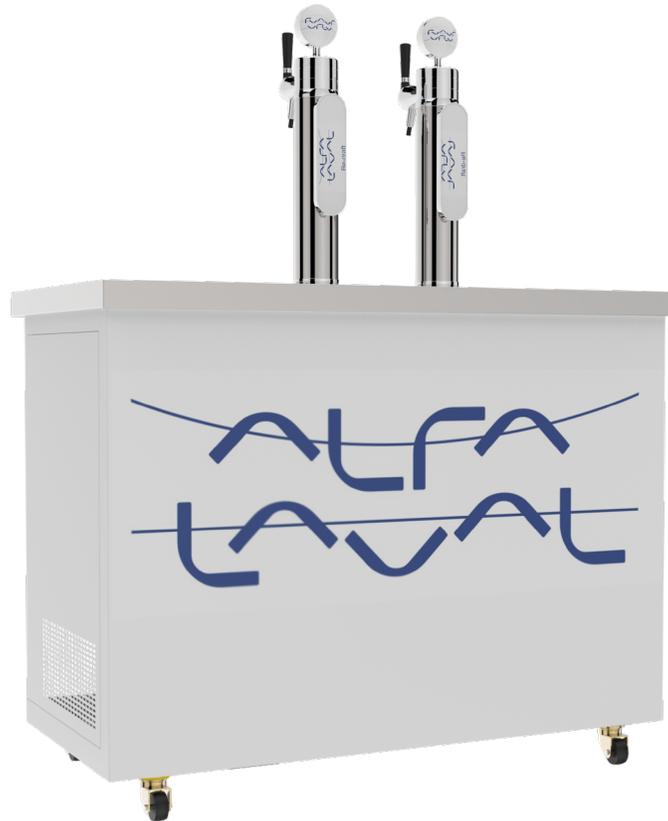
– Beer concentrate has the potential to reduce your beer's CO2 impact up to 40%!



Climate action!

Alfa Laval Re-draft will boost further value

Add water to beer concentrate seconds before serving



- Re-draft mixes beer concentrate with carbonated water with high accuracy
- Save up to 80% of on cost related to packaging, distribution, handling of kegs and empties, warehouse capacity etc.
- Imagine telling your customer that they from now on will have to deal with up 80% less kegs – frees up space and means a lot less work!
- Can be integrated in any bar, no customers facing concentrate “signs”

How can you test Revos?

Step 1: Pilot-scale testing in Copenhagen



Pilot-scale testing



- Send 800 L of your product to our site in Copenhagen, Denmark
- Our team will concentrate your product
- Visit the facility for a tasting and performance review
- Conduct initial sensory testing and get throughput indication
- Plan for 1 week of testing (1 day required for visit & tasting)

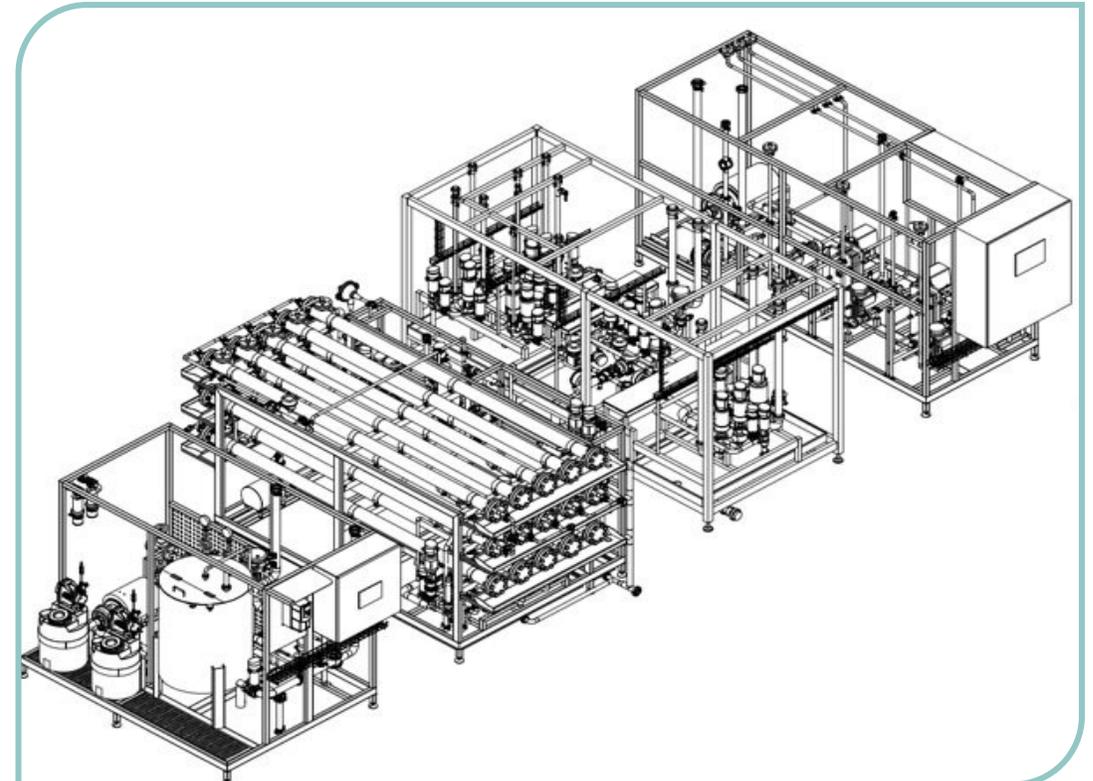


Step 2 (optional): Commercial-scale testing with rental

Commercial-scale testing

- Revos short-term rental and installation at your site
- Conduct aging, shelf life, and sensory studies
- Test new products, and run market studies
- Rental Revos can process 6 hl/h
- Equipment ships with dedicated CIP system

Quotations available upon request



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Brew Series

Up to **75% lower** energy usage with Hermetic Design and eMotion

Up to **70% less** cooling water usage

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Alhop

Reduce dry hopping to **half a day**

Higher extraction rates

Reduced hop wastage



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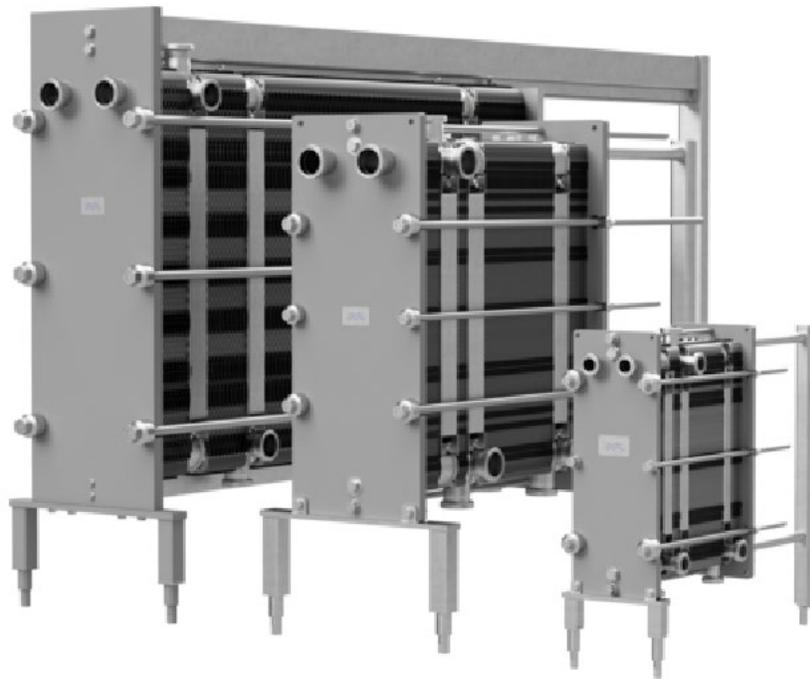


Plate Heat Exchangers (PHE)

Up to 15% improvement in energy efficiency
with up to 10% less steel

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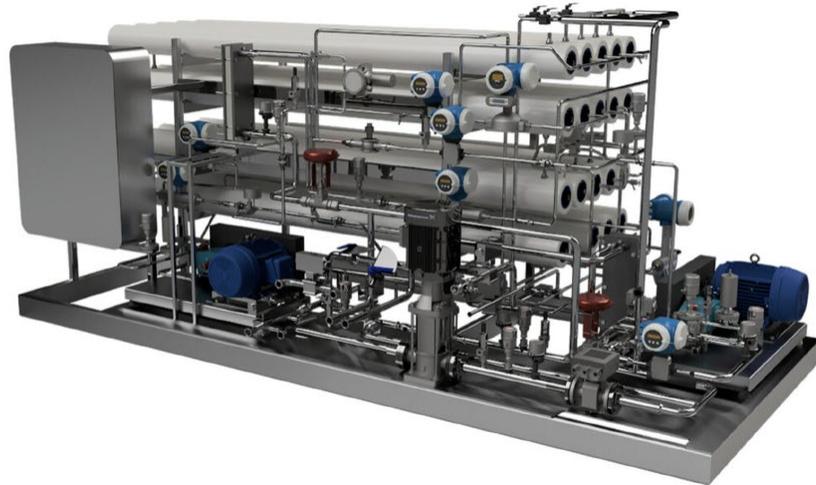
ThinkTop Valve Control Units

Precise control and monitoring

Up to **90% less** water and cleaning media usage

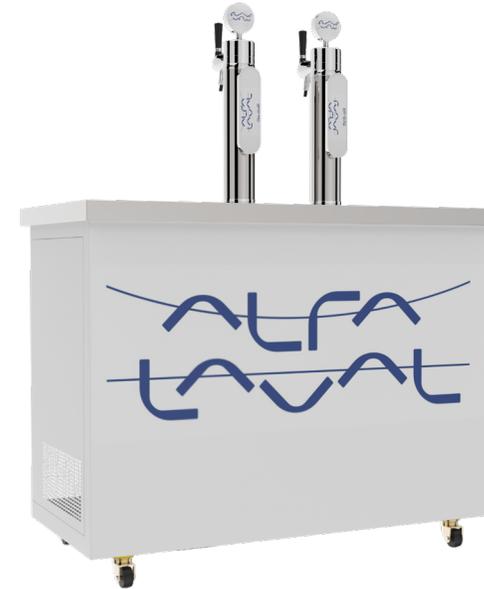


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Revos Concentration System

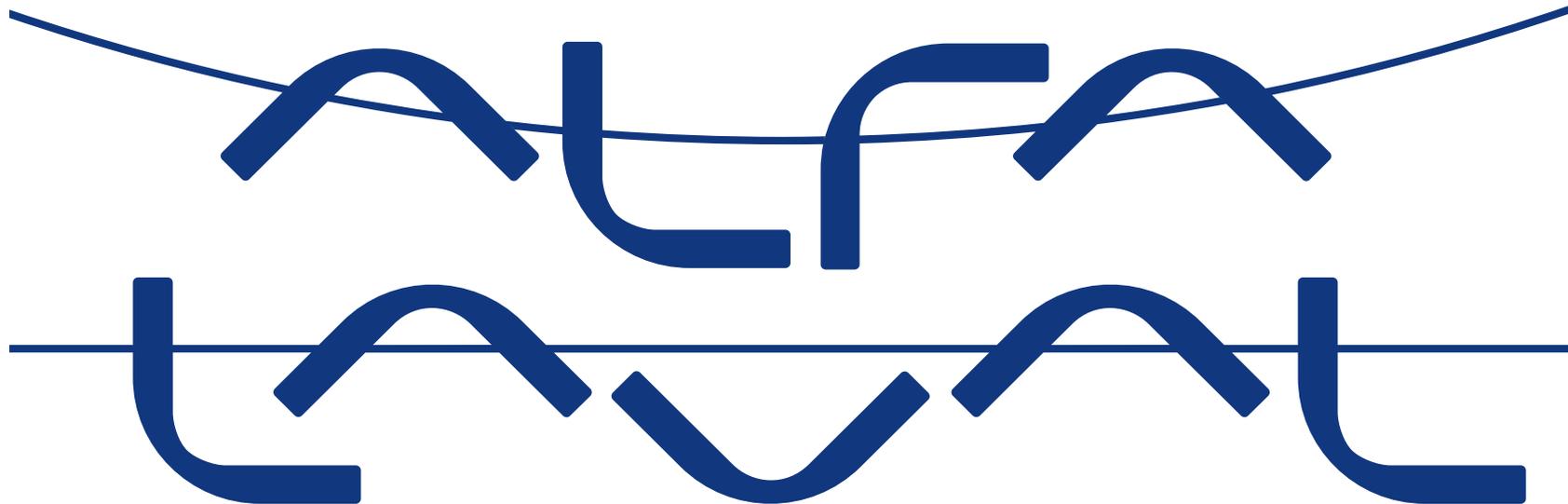
Reduce concentrate shipping volumes, saving up to 80% in transport costs and carbon emissions



Re-draft System

Rehydrate beer concentrate seconds before being served, reducing return keg flow and packaging material and costs by up to 80%

See our offerings



Hall 7 stand 249

Download this presentation

