About: Renowned craft brewery, Russian River Brewing Company, is committed to sustainability and has experienced CO2 price increases and sourcing issues. They commissioned **3x Dalum Senior Plants** in late 2025. Newly installed piping collected from fermenters and - to achieve total independence - the brewery replaced its leased tank with an owned 50-ton Chart tank.

The 3x Dalum plants were commissioned in one week, marking a significant milestone in Russian River's journey towards a circular production model.

"We're recovering tons of very pure CO2 every week, its incredibly rewarding to see the savings add up, and we now have complete control over the quality & source, which is invaluable."

Vinnie & Natalie Cilurzo, Co-Owners,
Russian River Brewing Company, Windsor, CA USA

They prepared for commissioning by closely tracking total CO2 usage, including all leaks and losses, and kept **a close eye on their CO2 supply contract to ensure it was not renewed.** They continue to monitor usage and test CO2 post commissioning.

CO2 independence from day 1 — Able to fully meet their CO2 needs of ~450,000 lbs / year covering the brewery production site and brewpubs ... and still have substantial excess.

13 lbs CO2 / BBL 4.7 kg/ hL — 13 lbs on average recovered per beer barrel, or 4.7 kg per hl, with potential to collect more. Usage 8-10 lbs /BBL due to high share of bottles in packaging mix vs. cans and brewery practices.

CASE STUDY RESULTS

PAYBACK 3.8 YEARS
Entire installation, piping, new 50 ton tank & vaporizer

$182,000 NET SAVINGS
Per Year (assuming $0.28 / cost CO2)

450,000 LBS +
Suppling 100% of annual needs

OPERATIONAL EFFICIENCIES
5% less headspace required