GAS-TO-LIQUIDS REFINERY

For the past three years, Ecolab has partnered with a major gas-to-liquids refinery in South Africa to mitigate its cooling water management challenges. The refinery was experiencing shutdowns due to variable cooling water quality in the system. Ecolab employed 3D TRASAR™ Technology for Cooling Water, our 24/7 System Assurance Center and formal audits to manage the refinery’s corrosion, microbial activity and water consumption challenges, resulting in a 560 percent return on investment.

| 184 million gallons of water saved over a 3-year period | Avoided unplanned shut downs | 7 Years of increased asset lifespan of critical equipment through corrosion control |

Saved $1.5 million (over 12 months)

For more information about sustainability at Ecolab, please visit ecolab.com/sustainability.