A pulp mill located in the Southern United States was satisfied with its existing Infinity SL4342 scale control program but wanted to extend acid cleanings from once a year to once every two years. The mill approached Solenis about developing a more robust treatment program.

Recommended Solution
To further reduce scale buildup, Solenis recommended that the baseline feed rate of the Infinity scale control program be increased from 0.45 lbs/ton to 0.60 lbs/ton. Solenis also recommended developing and deploying an algorithm to proactively adjust feed rates based on various digester KPI inputs.

Results Achieved
The new treatment program enabled the mill to increase time between cleanings to two years, saving the mill an estimated $440,000 per year. Additionally, the program enabled the mill to gain three production days per year and improve workplace safety by reducing the frequency of acid cleanings.

Economic Benefit = Production Increase + Reduced Chemicals for Cleaning - Increased Treatment Cost