Energy Loss Improvement Tools

These internally developed proprietary loss tools follow the below flow chart to maximize "reusable engineering" and spread best practices efficiently, eliminating wasted effort of multiple plants developing solutions to the same energy losses. As an example, the boiler tool would request data about the current state of excess oxygen levels and exhaust temperature. Then, it would calculate energy savings if the plant were to upgrade its system to match a benchmark optimized plant. It would then output the standard General Mills solution to reduce these losses including vendors, required equipment, controls strategy, etc. from past projects successfully implemented at other plants. A plant could also be awarded funding for an innovative idea that is not in the tool set yet (i.e. preheating make up air with waste heat). Once, the solution is identified and expected savings realized, this new idea would be added to the tool as a proven solution for other plants to calculate the opportunity and implement.