

NEWS RELEASE

Unparallel Advantages of Ecospec's Scamag ULF Boiler Water Treatment System for Food Industry

Singapore, June 30, 2016: Ecospec's ScaMag, an *Ultra Low Frequency* boiler water treatment system encompasses the proprietary *ULF* technology developed by ECOSPEC, has once again delivered significant improvements to two numbers of 20 year-old boilers for a rice noodle manufacturer; an established household name in the food and beverage industry in Singapore.

ScaMag was installed in May 2015 to combat the corrosion and scaling problems and was proven effective compared to past chemical treatment. Their use of chemicals before not only deteriorated the boiler efficiency but also adversely affected the steam quality of their food processing. Now, with the absence of chemical use and the ability to operate with a substantial higher number of cycle of concentration (*COC*) has benefited the overall boiler operation with significantly fewer blow downs. Another evidence is the reduction of boiler startup time achieving the desired steam temperature and pressure in a very short time.

In terms of food quality, ScaMag system provides production with better control over its processes without the need to dose chemicals. Many times, an error in the chemical dosage led to complete damage or degeneration of a production batch only to be discovered when it was too late. With ScaMag, it eliminates that risk totally and thereby greatly improves the overall productivity in the manufacturing process.

With all these advantages experienced by the owner and his team, a repeat order of the ScaMag system for their new factory is in the pipeline.

Below are the comparison photos of before and after application of ScaMag boiler water treatment system:



Boiler water before ScaMag treatment
(May 2015)



Boiler water after ScaMag treatment
(June 2016)

About Ecospec

Ecospec is a technological company that researches and develops cost-effective environmental solutions for the onshore and marine industries. Founded in 2001, Ecospec continually invents with heart and mind, standing by the principle that the green technologies when implemented shall not cause other undesirable by products. It has since established itself globally as a pioneer and market leader in advanced water treatment and sustainable green technologies, receiving multiple recognitions and worldwide accolades.

Ecospec List of Green Technologies

- **ScaMag**, Boiler Treatment System
- **BacComber**, Cooling Tower Water Treatment System
- **BioMag**, Marine Bio-fouling Control System
- **CSNOx**, Emission Control System
- **EIMag**, Corrosion Control System
- **Semb-Eco**, Ballast Water Treatment System