

CLEANCOAT

Fish Industry



The Fish Industry hygiene standard is very high, and in many companies, daily ATP measurements are done as a control. The industry however has two major challenges:

1. Easier and controlled cleaning
2. Bacteria build-up and bacteria control

Company Introduction

FMP was founded in 2001, and is a factory that processes heads, backbones and whole fish. All the products are dried. The main export market is Nigeria.

The production is powered by waste heat from the nearby incinerator plant, a win-win situation that helps the company to maintain a green environment.

The Drying process:

1. The fish are dried at temperatures of around 26-30 degrees Celsius
2. The fish dry for 36-40 hours.
3. The fish are "after dried" in boxes for about 24 hours.
4. The cutlets are stabilized for 1-4 days before packing.

Location

- Faroe Marine Products P/F, Leirvík, Faeroe Islands.

Problem Description

The production plant is thoroughly cleaned every night and the ATP levels are checked on a regular basis. The ATP levels is not allowed to exceed 30.

With the movement towards a greener environment and the pressure to minimize cleaning costs, it is very expensive and almost impossible to maintain high cleaning standards and long-term bacteria control. Many units in the production area are very difficult to clean. Especially the drying areas as soiling dries to a hard mass and is difficult to access - the steel has had a semi-permanent yellow color after the first cleaning.



ATP units before treatment	ATP units after 30 min.	ATP units after 1 month	ATP units after 3 months
78	8	0	0

Treatment

- Thorough Cleaning, down to 20 ATP
- ATP Measurement before CleanCoating
- CleanCoating of production unit surfaces
- ATP measurements before & after CleanCoating

Results After Treatment

After coating, the dried fish soiling can be rinsed off with running water - the dirt does not adhere in the same way as before treatment.

Efficient cleaning is achieved with repeated rinsing with running water, rather than hard, physical scrubbing.

- Constant ATP levels between 0-10
- No bacteria build up during the first months
- Cleaning time reduced with 70%
- Use of cleaning agents reduced by 70%

Catalyst for a clean and healthy environment