

# Case Study #3

*Extending shelf-life of electrodes to optimise market supply and manage inventory more effectively*

## Overview

Market fluctuations affected the movement of product within the stock control system of the customer, resulting in some product with a reduced shelf-life due to prolonged storage. The product no longer complied with the stated usable shelf-life offered by the customer to the end user and resulted in having out of date/short-dated stock they were unable to sell commercially.

Intelesens tested and verified an extended shelf-life for the product enabling the customer to hold stock longer without changing the usable life offered to the end user. This provided the customer with the ability to have product with a longer shelf-life, enhanced control of their stock with minimal risk of waste.

## CHALLENGE

The customer was faced with the recurring problem of needing to scrap product due to the saleable shelf-life, and short dating of product during storage.



## ACTION TAKEN

Intelesens tested the product (which was originally developed and manufactured for the client in-house) for an additional year of shelf-life ensuring conformity to regulatory requirements. Working with the customer, all aspects of the verification stage were tested and documented using retained samples held from previous production builds. These samples were stored by Intelesens as part of their manufacturing process batch builds and had already achieved the desired real time storage duration.

## RESULT

The outcome from the tests was a verification of the product for an additional one-year shelf-life. The customer can use this extended period to hold stock longer before it reaches the start of the usable shelf-life expected by the end user or begins to expire.

## Key Observations

- A discussion between Intelesens and their customer concerning the scrapping of product due to sales issues resulted in Intelesens advising that they could enhance the shelf-life to allow the customer to control its stock more efficiently. This product now has one of the longest shelf-life features of electrodes manufactured worldwide.



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