TILDA TECHNOLOGIES - CASE STUDY

CLIENT – CRONIMET (SOUTH AFRICA)

	Cronimet, is a worldwide specialist for stainless steel scrap, ferroalloys and primary metals. They combine many years of experience and expert knowledge with reliability, competence and congenial partnership.

THE CHALLENGE

As a company that is always working with scrap metal, all stock that comes in and out must be captured in accordance with Cronimet's high standards, another challenge is making sure all this information is readily and easily available further down the line to help with auditing and stock take.

A paper and Excel based system was being used by Cronimet, however, this labour intensive system had the following pitfalls:

- Hard copies would go missing, creating discrepancies when auditing.
- No clear record of which employees were capturing stock reports.
- No digital copies were saved for later reference.
- Re-printing of reports was not possible without any saved digital copies.
- Immediate visibility of current stock was not available.
- There was no way of validating previous stock transactions without reports.
- Users were changing the Excel master template causing multiple master templates on different machines.

THE SOLUTION

Tilda Technologies developed a Windows Presentation Foundation (WPF) application titled 'Stock Control' to fulfil the following requirements:

Challenge:
- Hard copies would go missing, resolved by:

    Solution:
    - Using a central database, a digital copy of the report would be saved before printing the hard copy.

Challenge:
- Unclear which employees were capturing stock reports, resolved by:
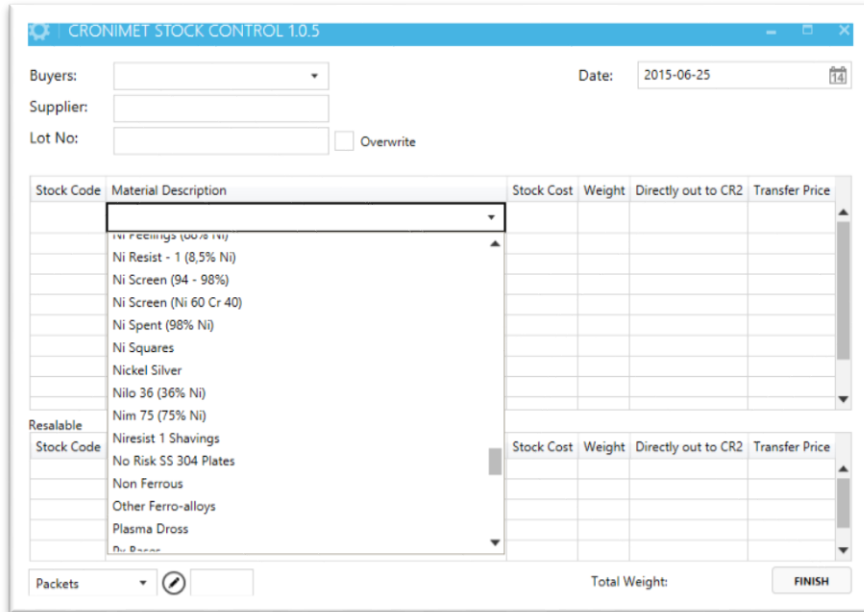
    Solution:
    - Only allowing access to the application through a login process, reports were then linked to that specific user.

Challenge:
- No saved digital copies for later reference, resolved by:

    Solution:
    - The application would automatically save a digital copy of the report in the database before allowing a hard copy to be printed.
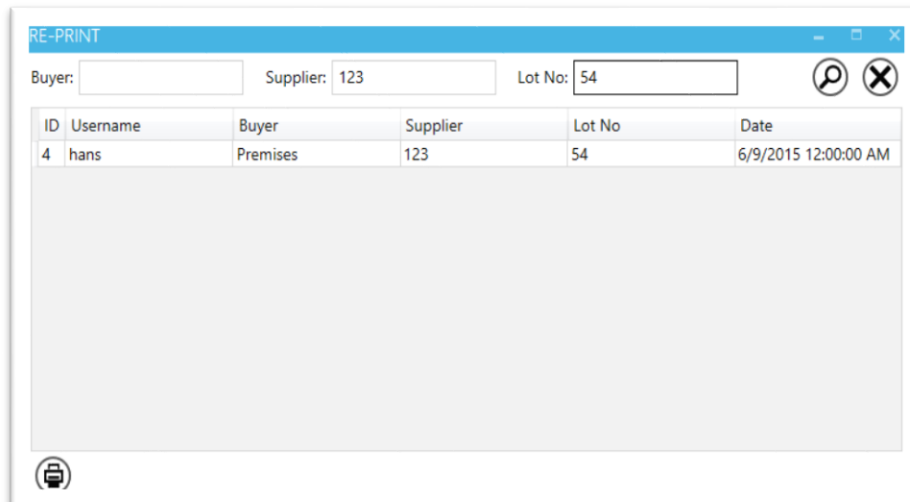

Challenge:
- Reprinting of reports was difficult without any saved reports resolved by:

    Solution:
    - Users were given a search function whereby they could easily find and re-print previous reports.

Challenge:
- No immediate visibility of current stock, resolved by:

    Solution:
    - A screen was created to allow administrators to see all saved stock reports as they were completed, removing the need to follow up with employees for hard copies of the reports.

Challenge:
- No way of validating previous stock transactions with reports, resolved by:

  Solution:
  - The application was integrated with Cronimet's current weighbridge software to validate that stock reports were linked to actual transactions.

Challenge:
- Users were changing the Excel master template causing multiple master templates on different machines, resolved by:

  Solution:
  - Role based logins were created to prevent unauthorised changes to master data.

THE TEAM

The specialist team assigned to develop this software solution was led by Tilda Technologies' Product Development Manager, Richard Schoeman and included Senior Microsoft Certified Professional Developer, Kyle Spann.

OUTCOMES

In conclusion, Cronimet received a modern, easy-to-use Windows application with role-based permissions limiting access to master data and providing immediate visibility with an simpler method to capture and track all stock reports.

CLIENT TESTIMONIALS

George Trojanowski of Cronimet (RSA) Pty Ltd said**,**

"The easy reference and traceability of the reports being generated cuts the work time from hours to seconds."

Tyrone Trojanowski of Cronimet (RSA) Pty Ltd said**,**

"This new application has greatly improved productivity in the day-to-day running of the business and I recommend that anybody requiring a stock capturing system would benefit from using the Tilda Tech Stock Control program."

"I was also pleasantly surprised that the development time was much quicker than I expected."

Kristel Knowles of Cronimet (RSA) Pty Ltd said**,**

"The design has a Windows 10 feel with a smooth smart finish. This program is extremely user friendly. Anybody with basic PC skills will be able to operate the program."