NeoSOFT®

Case Studies

AGRICULTURE & BIOSCIENCE

Selected Clientele



Improved operational excellence by 84%

Read More _

CASE STUDY

PROJECT TYPE



ENGINEERED BY

NeoSOFT[®]



Client Background

Our client is a not-for-profit organization with key partners working in over 40 countries. The firm implements scientific expertise and knowledge to address agricultural and environmental issues globally.

Their prime emphasis is on uplifting climate change and biodiversity, gender and youth, food and nutrition security, and economic development.

Location: United Kingdom

Industry: Agriculture & Bioscience

Project Overview

An end-to-end data management system that enables users to gain a 360-degree view of enterprise data and make smart agricultural decisions. The advanced system streamlines vast amounts of crop/pest data and ensures exhaustive data automation throughout the business lifecycle.

NeoSOFT°

Type: Web Portal
Team Size: 3
Project Duration: 1 Year





Problem Statement

The client's business is heavily reliant on pest/crop data generated from multiple systems.

Dealing with such voluminous data, having a centralized data model for siloed data operations was an absolute must for them.

Another challenge was the language barrier which demanded a language translation functionality.

The prime need derived was to have a unified data management system that garners actionable insights on the pest/ crop data landscape.

Our Robust Solution

We proposed a sound data management strategy to pull as-is data from different systems and streamline the entire data lifecycle in one place.

Leveraging a mix of data management best practices helped users gain an actionable decision-fueling vision. The advanced system gathers and shares real-time information on crop health and ensures utmost food security.

The advanced translation feature addresses the language translation issue and enables the users to view crop/pest data in the preferred language.

Backed by product translation functionality, the system helps farmers to replace chemical pesticides and adopt biological products.



NeoSOFT°

Technical Challenges

Implementing translations based on different language selections was one of the major challenges we faced.

To overcome this, we created custom controls and leveraged local and English variants, we represented the translation for selected/ pre-populated fields for any product details. Another challenge was maintaining crop/pest data with broader-narrower, and alternate crop/pest terms.

We added 3 different variants on the ML side to: Local, English, and ALT terms for each broader/ narrower and alternate term. We even created a custom tree view structure using jQuery plugins to address this issue.



Key Features

Streamlined crop/pest data management for the entire CABI product lifecycle. Language-based translation functionality to add alternate, broader-narrower terms for crop/pest data.

Data migration where users can upload excel files with bulk data. Customized country-wise translation functionality.







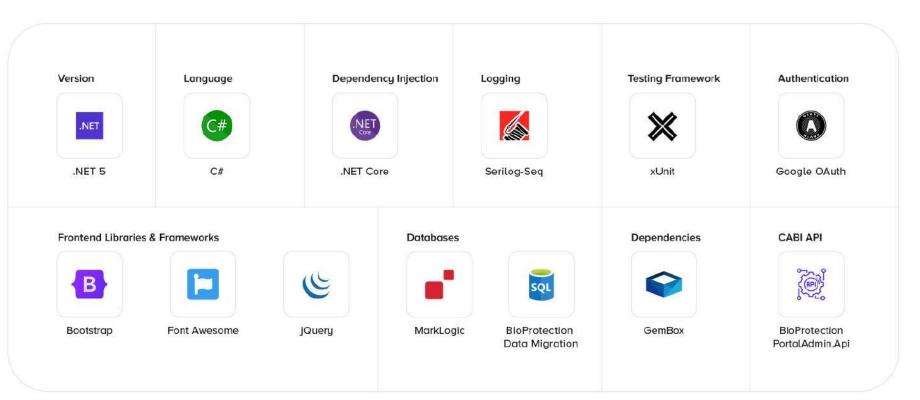
Business Impact





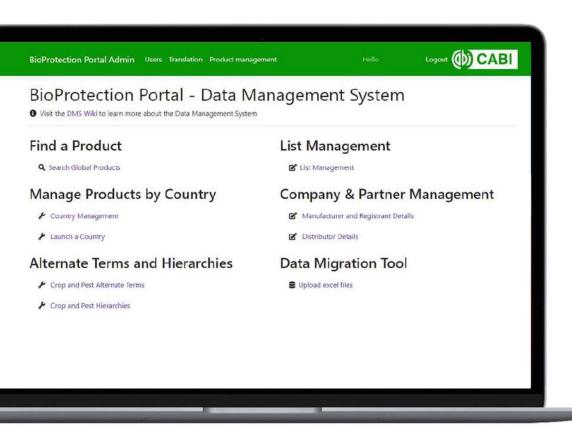
Technology Stack















BioProtection Portal Ad	min Users Translation Product management	Hello Logout 🚺	CABI
Search G	lobal Products		
Product name:	Achook Q		
There are 1 product(s) with si	nilar names:		
Product name	Active Integredient	Country Use Records	
Achook	Azadirachtin	Kenya	
© 2021 - BioProtection Porta	Admin - Privacy		



Basic Information	Enhanced Information	Country Use Records	
Available Languages:			
English (EN)		~	Add new language
Product name: Achook			
Active ingredient:			
Search			• Add new
(35,6R)-3-methyl-6- isopropenyl-9- decen-1-yl acetate(0,04196)	Azadirachtin		
(35,65)-3-methyl-6- isopropenyl-9- decen-1-yl acetate(0,025%)	•••••		



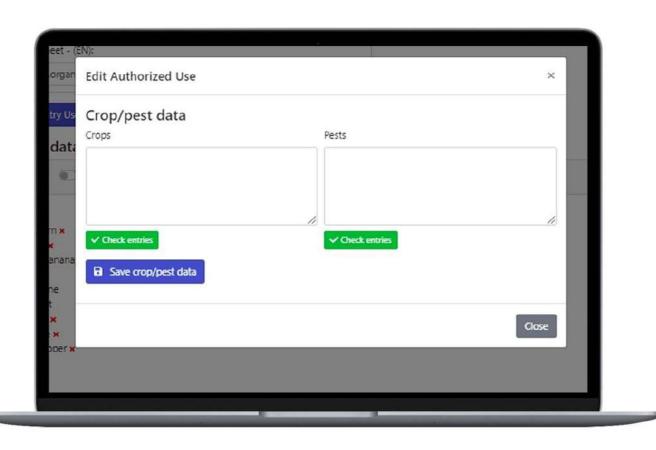
Our Work



BioProtection Portal Admin Users Translation Product management	Hello	
Data migration		
Download the template and add your data to it. DMS Migration Template (j)		
Select excel file to migrate into DMS: Chcose File No file chosen		









Our Work

10 <u> </u>					
how 50 v entries	Country Use (Country & Language)	Associated Companies	‡ Status	Last Updated By	Last Updated Date
Search Product N	Search Cou	Search Associated Companies		Search L	Search L
Test Product 02	Christmas Island (ES)		Draft	Kumar Kartik	20/10/2021
Test Product	Christmas Island (ES)	Manufacturer : Chemie Distributor : dist test, shubhamtest1	Edited	Kumar Kartik	20/10/2021
Test Product	Cocos Islands EN	Manufacturer : Chemie	Edited	Kumar Kartik	20/10/2021
est lang kartik	France (FR)		Edited	Kumar Kartik	20/10/2021
Test Productti	Cocos Islands		Edited	Kumar Kartik	07/09/2021



Our Work

oProtection Portal Admin	Users Translati	on Product management	Hello Logout	CABI
)istributor	Mana	agement De	etails	
	TVICITI	agement be	cans	
how 50 🖌 entries				
Distributor Name	Is Partner?	Address Line 1	City	Country
Search Distributor Name		Search Address Line 1	Search City	Search Coi
Agrichem	no	Pza. de Castilla	Madrid	Spain
Agrimat	no			Ghana
Agrobio	no	Carretera Nacional 340	Almeria	Spain
Anatis Bioprotection	yes	278 Rang Saint-André	Saint-Jacques-le-Mineur	Canada
Andermatt Biocontrol UK	no	43 Hove Park Road,	East Sussex,	United Kingdom
Applied Bio-nomics	yes	11074 W Saanich Rd	BC	Canada
BASF Chile	no			Chile
Bayer	no			Colombia
Bayer East Africa	no			Kenya
Bio Controle - Métodos de Controle de Pragas	no	R. Ema Gazzi Magnusson,	Indaiatuba - SP - CEP 13347 630	Brazil
Bio Insumos Nativa	VAS	Parcela Antilhue Lote 4 B2	Maule	Chie



Our Work

NeoSOFT°

Manufacturer and Registrant Details

Company Name	*	Is Partner?	Translations associated
Search Company Name			
151 Products		no	EN
4260864 Canada Inc		no	EN,FR
753146 Ab Ltd. O/A Ultrasol Industries		no	EN,FR
9272-9771 Quebec		no	EN,FR
A to Z Drying		no	EN,ES
Aako B.V		no	EN,FR
Aberdeen Road Company D/B/A Hercon Environmental		no	EN,FR
Abonos Superior		no	EN,ES
Abonosos Superior		no	EN,ES
Absorbent Products		no	EN,FR



Our Work

BioProtection Portal Admin Users	Translation Product management	Hello	
Manage Alte	rnative Crop a	nd Pest Te	erms
Language	mative crop a	ind i est it	
English (EN)	🗸 Crops	e 🗊 Pests	
Crop Alternative Terms			
• Apple ×			
• Orange ×			
• Lemon ×			
Add New			
• Crab apple ×			
Add New			
• Brinjal ×			
Aubergine ×			
Eggplant ×			
Add New			
 Shade bananas × 			
• Banana ×			



Manage Broader Term Groupings Language English (EN) ~ Crops D Pests **Existing Groupings** Create a new grouping # african palm × + Add new # citrus × ⇒ tangelo x + pomelo x + orange tree × He orange X 🛏 mandarin 🛪 + fime x + lemon × + grapefruit # ++ clementine M te citron x ⊷ bitter orange × + Add new d cucurbits with edible skin x + zucchini x ₩ squash x + pumpkin x + Add new d cucurbits with inedible skin x + zucchini x ➡ winter scuash × + pumpkin x

Our Work

THANK YOU!

🕓 +91 22 40500600 | 🖂 info@neosofttech.com | 🌐 www.neosofttech.com

