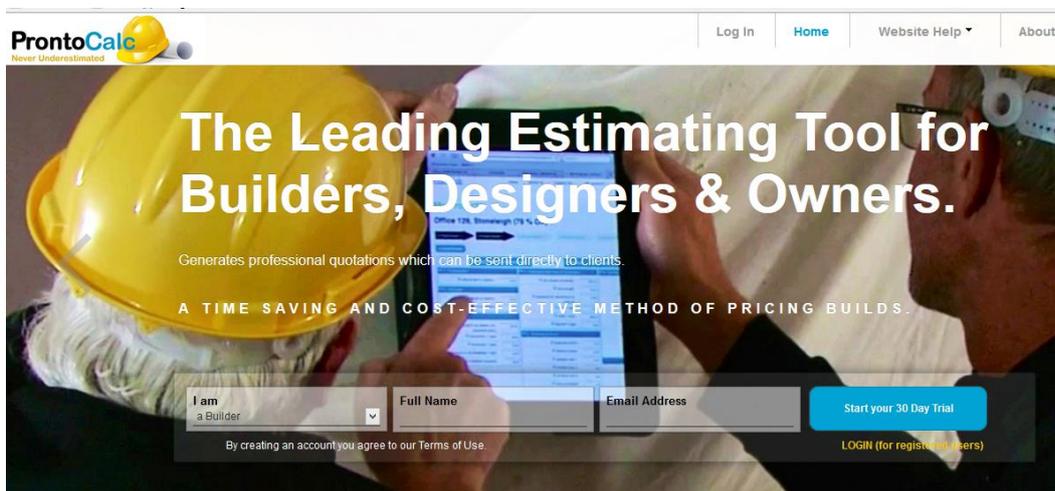


## Background

Monsal Dale engaged with Edecon advanced services to review the opportunity for developing their online building and estimating tool – ProntoCalc. The meeting discussed the structure of the existing calculation tool, customers, function and the potential market for incorporating environmental factors.

A new version of ProntoCalc is now being developed as a direct result of the Edecon advanced services intervention. The benefit to the SME user base is that they will now be presented with eco-alternatives to materials, insulation and windows/doors to put in front of clients. A cost breakeven point will be highlighted in order for consumers to make informed choices. The potential cumulative benefit to UK SME's in the construction sector is improved knowledge of options and a greater take up on eco-design principles.



## Specification of New System

This specification report outlines actions discussed during the workshop session held as part of the EDECON advanced services meeting. This document can be used to frame software development discussions and specifications.

Monsal Dale Ltd. has an existing product <http://www.prontocalc.com> which is a 'retail' software product aimed at builders/project managers which 'automates' the builders quote process. Variables of the project build are input by the user, the system calculates quantities & rates & provides the builder with a £costed professional .pdf output they can share with the customer. Monsal Dale Ltd. will reboot the 'build quote' product and to add an 'Eco-calculator' providing builders & customers with opportunities to choose Eco-products within their build.

The current software has been assessed as 'unrecyclable' and not fit for purpose for future development functionality, Hence a rebuild is required.

### ***High Level Requirements***

- Enhance & improve functionality, workflow & design of the existing product.
- Introduce an 'Eco' efficiency /CO2 calculator.
- Build self maintaining page content & data management functionality
- Make mobile & device friendly (iPad – portal only for mobile)
- Workflow will be redesigned & the GUI needs redesigning (currently very spreadsheet driven).
- Redesign of customer front facing website.
- Redesign of existing outputs integrating ECO scores & factsheets.
- Will require hosting & data storage options.

From their dashboard a user can create or amend an existing project. From there they will be guided through a progression of input screens which will populate values for items within the Review & Adjust quantities & rates screen. Default rates either from the system or user set will determine the item rate. The user can amend the project quantities & rates to get to a final quote. Eco-scores & outputs are driven off lookup values depending on whether the item is active in the quote.

### ***Eco Requirements***

The specification for eco reporting covers both carbon general suggestion. The carbon footprint of materials, "Material Carbon" can be added in the form of conversion factors sourced from the ECOINVENT database (license required) and Defra sources. Public data held by the Energy Savings Trust can be used as the basis for calculating the carbon footprint of a full build "Operational Carbon" but work will need to be commissioned to convert carbon from U-Values and thermal efficiency data ( $\lambda$ ).