The Tools that will help you save cost, become “greener” and more efficient – The Supply Chain Environmental Analysis Tools (SCEnAT Suites)

The Advanced Resource Efficiency Centre (AREC)’s software tools (SCEnAT Suites) developed in partnership with Microsoft can help businesses, governments and other stakeholders to become “greener”, save cost and improve efficiency at the same time. Clients can choose from three different software suites, SCEnAT, SCEnAT+ and SCEnAT+i (with Power BI), and five different service packages to fit their needs. The high-tech, but easy to use tools can help businesses, manufacturers, governments, universities, and other organisations address inefficiencies in their supply chains in a cost-effective manner. The tools help organisations make better use of their resources, therefore increasing productivity.

Why use SCEnAT Suites?

Our world functions through the use of supply chains which help transform an ingredient into a product/service and deliver it to the consumer. Each step in that supply chain costs money, materials, and other resources. In addition, each step in the supply chain often produces elements that cause harm to the environment. Examples of this include greenhouse gases that contribute to increase pollution which negatively affects people’s health, as well as consuming non-renewable resources for production. However, very often businesses and governments are not able to tell which step in their supply chain causes the most harm, or what cost-effective options for improvement are out there. Yet, it is very important for decision-makers to have this information because 1) it pays to be in agreement with, and ahead of, any current and new environmental regulations and 2) it is in businesses and governments best interests to use their resources as efficiently as possible. SCEnAT Suites help solve this problem.

How do SCEnAT Suites work?

SCEnAT Suites are Azure Cloud based software designed in partnership with Microsoft with the latest technology. Although the software are able to undertake immensely complex calculations, it was created to be very user-friendly and easy to use. The software automatically undertakes data analytics and identifies areas in a supply chain which produce the most impact. SCEnAT Suites provide detailed, easy to understand report that includes examples of how those “environmental hotspots” can be addressed. This allows businesses and governments make decisions that can help them improve their resource efficiencies. Throughout this process, team members of the Advanced Resource Efficiency Centre (AREC) will be available to assist clients and users and offer advice on any changes clients may wish to undertake as a result of the recommendations provided by SCEnAT Suites and the underpinning science and research.

View an example of SCEnAT Suites model and digital dashboard here:

How can I get SCEnAT Suites?

If you are interested in SCEnAT Suites (SCEnAT or SCEnAT+ or SCEnAT+i), please contact the Advanced Resource Efficiency Centre (AREC) at arec@sheffield.ac.uk. SCEnAT Suites are already being used by leading industries such as COSTA Coffee, Jaguar Land Rover, Rolls-Royce, Tata Steel, Sheffield Forgemasters International, Hovis, Bridon, DBL Logistics, Olympia Electronics to name a few.

For more information, please visit www.scenat.com or www.sheffield.ac.uk/arec