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Want to win a trip to Paris worth R125 000?

The Southern Africa Stainless Steel Development Association (Sassda) is rebuilding the Eiffel Tower and they need your help to do it.

To enter the Paris competition, you need to make use of the Life Cycle Costing App, or use the Life Cycle Costing software on the Sassda website.

To rebuild the Eiffel Tower you will have to decide whether to use more expensive lean duplex stainless which has the advantage of retaining the original stainless steel look and finish over 100 years. Or you can select a utility ferritic stainless steel, which will weather over time to form a brown patina. Both stainless steels are equally suitable for building the Eiffel tower and both answers are equally eligible for winning the competition.

Using this information calculate the answers to the following questions:

1. Calculate and compare, in US dollars, what the initial costs would be to build the Eiffel Tower in 2017 out of mild steel and utility ferritic stainless steel or lean duplex stainless steel.
2. Calculate and compare, in US dollars, what the operating costs would be for the Eiffel Tower over the next 100 years if it were built out of mild steel and utility ferritic stainless steel or lean duplex stainless steel.
3. Calculate the total life cycle costs (Total LCC) of the Eiffel Tower in mild steel and lean duplex or utility ferritic stainless steel.

WHAT YOU HAVE TO DO

Download the Sassda Life Cycle Costing Application available from the Google Playstore or Apple App Store. Alternatively, you can use the LCC application found on Sassda's website.

Call +27 (0) 11 883 0119 or visit: www.sassda.co.za.