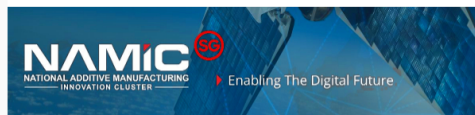


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20 March 2023

Supported by



1kg Challenge Launch!

Additive manufacturing technologies, also known as 3D printing (3DP), is a diverse set of technologies where products are created by building layers of material on top of one another until a complete 3D object is formed. When COVID-19 disrupted demand and supply chains, 3DP machines pressed on to fill the gaps for essential items. 3DP's potential to revolutionise the way products are designed, manufactured, and supplied can be seen in sectors such as aerospace, precision engineering, biomedical, construction and more. How else can this new form of technology break the mould of conventional manufacturing and reshape the manufacturing scene?

Design comes in many forms, and it is all around us. With climate change becoming an increasingly crucial issue, sustainable design is also becoming more important. It is no longer just about aesthetics but also about its impact on the environment – both directly and indirectly.

In 2019, a community of interior designers from 8 major Japanese auto brands was challenged to create value within a 1kg constraint, as the cost of automotive materials is often expressed in terms of "unit price per kg". Together under one roof, they managed to demonstrate the potentialities of ideas and creativities using 3DP – beyond our imagination.

And so, we decided to launch the 1kg challenge in Singapore! Challenging the creativity of local talents to develop a 1kg 3D printable sustainable design model, selected designs will be 3D printed for judges and public voting on 21 September – 1 October 2023.

This challenge is open to anyone residing in Singapore regardless of age or background.

Open call submission period: 20 March to 20 June 2023
3D printing selected designs period: 1 July to 31 August 2023
Exhibition period: 21 September to 1 October 2023

[Email us](#) with the email subject "1kg Challenge" for any enquiries.

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