FOR IMMEDIATE RELEASE

# GS to Speak on Sustainable Flexible Electronics for Smart Surface, Wearable, and FHE Applications

## *How FHE Mass Production with Green Silicone Rubber Prevents Future E-Waste Liabilities*

***Hsinchu, Taiwan, December 10, 2021*** - General Silicones (GS), a member of the FlexTech Taiwan steering committee of SEMI Taiwan, has the pleasure to announce it will be sharing how silicone rubber is ready to play a crucial role for manufacturers for preventing future e-waste liabilities in electronics industry.

The presentation will be at the SEMI Taiwan conference **on December 17, 10 AM Taiwan time**, by Dr. Anupam Mukherjee, Technical Director at the R&D Center of General Silicones. (2 AM UTC, 6 PM PST Dec. 16)

The presentation will be accessible to international attendees through live streaming. This recording will be available for those unable to attend due to time differences.

### Preventing Sustainability Crisis by Taking Action Now

Electronic products are one of the fastest-growing components of waste. UN forecasts amount to an astounding 120 million tonnes annually by 2060.

Predictably, legislation will be requiring the supply chain to tackle this challenge to achieve global sustainability targets. GS will share how product managers can prevent their company from unnecessary crisis management by taking action today and adapting a 6R strategy.

### The Rise of Flexible Hybrid Electronics

FHE will clearly play a major role in future products, creating new ways for human-machine interaction, medical applications, and many hard to foresee innovations. For FHE technology to gain a foothold in a sustainable manner, sustainability has to be planned into the entire lifecycle of this product category.

### How Silicone Rubber Is Ready To Play a Key Role

Silicone rubber is an environmentally neutral material. It is not toxic, does not pose any risks when discarded or burned. Recycling is possible, and the material is well suitable for integration into the entire product lifecycle planning process.

So far, the mass adaptation of silicone in electronics and emerging flexible hybrid electronics was restricted by the low adhesion and printing of cured silicone. To circumvent the problem, liquid PDMS had to be used until recently, limiting mass production and scalability opportunities.

GS will be sharing how it offers a sustainable solution of printable ***Compo-SiL®*** silicone film for the high-volume R2R production of wearable, e-skin, and HMI automotive electronics at an industrial scale.

Based on the 50 years of experience in manufacturing silicone products, ***Compo-SiL®*** rubber sheets/film are manufactured to be printable, laminable, and wearable to textile and skin.

For more detailed information, register for the presentation at <https://www.semicontaiwan.org/en/node/2976>

Sourcing managers and manufacturers interested in more information on ***Compo-SiL®*** can contact General Silicones as well at compo-sil@gsweb.com.tw.

### About General Silicones

General Silicones (GS) was founded in 1970 in Taipei, Taiwan, and is now represented worldwide – including Europe, China, Japan, and South-East Asian countries. GS is a major distributor of silicone materials and an active silicone products manufacturer with ISO 9001, IATF 16949, and ISO 14001 certifications. The company has manufacturing plants in Hsinchu, Taiwan; Wujiang, China; and Bac Giang, Vietnam. With decades of experience in this field, GS has the ability and capacity to provide a wide range of silicone products for many industries, including medical, automobile, consumer products, electronics, and IT. For more information about GS, please visit [www.generalsilicones.com](http://www.generalsilicones.com). For more information on ***Compo-SiL®***, please visit [www.compo-sil.com](http://www.compo-sil.com/)