

IFss is one of Singapore's Top 50 Engineering Achievements



IFss

Organised by The Institution of Engineers, Singapore (IES), Engineering Feats @ IES-SG50 is a national competition which aims to recognise the top 50 engineering achievements across the various fields of engineering deemed to have made the greatest economic, infrastructural or societal impact on Singapore since 1965.



Proud Winners of IES-SG50 Award – IFss. From left to right: Mr Andy Tan, Mr Thia Chang Liang and Mr Tan Lay Beng of STELOP Pte Ltd; Mr Tan Yang How and Mr Teo Chee Wah of the Defence Science and Technology Agency.

When the Severe Acute Respiratory Syndrome (SARS) outbreak occurred in March 2003, engineers from the Defence Science and Technology Agency (DSTA) and STELOP Pte Ltd, a subsidiary of ST Electronics, worked fearlessly and through sleepless nights to quickly develop and deliver the Infrared Fever Screening System (IFss) to detect persons with suspected fever non-intrusively. Innovatively utilising multidisciplinary knowledge across areas including radar, electro-optics, IT, applied statistics, physics and human physiology, the IFss was deployed at all Singapore immigration checkpoints and screened tens of thousands of travellers to pick out those running a fever. Today, the IFss is used globally, screening travellers possibly exposed to infectious diseases such as H1N1 and the Middle East Respiratory Syndrome.

The Top 50 Engineering Feats were selected based on the highest number of votes from the public out of 113 shortlisted projects and winners were recognised at the IES Golden Jubilee Dinner graced by Prime Minister Lee Hsien Loong on 1 July 2016.



IES-SG50 Award