



August 2021

CURRENT VERIFICATION OF ON GOING MARKET STUDY PROGRAMME:
AUGUST-SEPTEMBER 2021 FOR KTH (ROYAL INSTITUTE OF TECHNOLOGY, SWEDEN)

**To The Participating Company Or Organisation,
(SemiConductor Industry /Sector)**

Kindly note that Juniasia Business Solutions Pte Ltd herein 'Juniasia' is assisting our client **KTH University, Sweden** (<https://www.kth.se/en>) herein 'KTH' under KTH Innovation for the market validation and commercial evaluation of the patented work in a methodology for MEMS & ICs applications cum integration via a standard wire bonding in an unconventional way.

Scope In A Nut Shell:

A. A patented work in a method to realize controlled vertical magnetic-field-assisted assembly of discrete silicon microchips into a target receiving substrate and subsequent electrical contacting of the microchips by using a standard wire bonding tool in an unconventional manner.

Via this approach, the microchips and the receiving substrate are independently manufactured using standard silicon micro-matching processes and materials, with a subsequent integration step. Thus, this integration technology potentially enables emerging MEMS and ICs applications that require 3D out-of-plane assembly of microchips.

B.Scope for further expansion & commercial pursuit with discussion with right partners in the semiconductor space.

Link to the full publication (open access), including supplementary material and videos:

<https://www.nature.com/articles/s41378-019-0126-6#Sec11>

C. You can contact us or share your inputs if you find this process and offered option viable and effective for your semi-conductor/microchip sector or stages.

D. Objective:

KTH team and the project owner (Sweden) seeks a meeting and discussion on commercial or market viability on the project with industry players

We seek your specific expert representative or partners for a meeting on this to discuss further.

E..Juniasia is engaged with key industry players to find a partner or link to pursue this further and will facilitate and guide the discussion with your side if keen.

F..I am based in Singapore and you can connect with me directly to arrange a suitable meeting and for clarifications.

I am reachable at +65 91072357 and emails: mkassimar@juniasia.com Or mohamed@sagacityenvironment.com.

I look forward to a discussion with you and our KTH teams.

Thank you for your time.

Mohamed Kassim Abdur Rahaman
Head/Director
Juniasia
Singapore HQ
Singapore-Finland & Sweden



About:

KTH Royal Institute of Technology (1827)

KTH is one of the leading technology and innovation focussed universities with a key focus in research and development with major start-ups and deep scientific and technical developments in various industry spaces in Europe.

KTH Innovation supports key selected projects for market partnerships and engagements with leading global industrial players.

Link: [Value of centre's patents found to equal that of world-leading biotech institutions' | KTH](#)

JUNIASIA GROUP (2007)

A regional based boutique consultancy focussed on future technologies and innovations with our key research partners from our leading Nordic Universities and research hubs including selected centres from Israel and China.

Industry engagement, market entry, qualification and partnerships and related services are our key services..

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