



Mr. Gopal P Das  
Chairman & Managing Director

Mr. Gopal P. Das joined KHMDL as Managing Director in 2015, becoming Chairman in 2021. Under his leadership, major corporate restructuring has focused on three verticals: Aerospace Hybrid Microelectronics, Automotive, and Electronics Manufacturing Services.

Gopal has specialized in various private market opportunities since joining Das & Co. as Managing Director in 2015. In Das & Co.'s portfolio, he is the Founder, Chairman, and CEO of Apex Resources Ltd., Co-Founder and Member of the Board of Directors of Safehouse Technologies, Member of the Board of Directors of April Labs, and a Senior Advisor to the Chairman of the Board at Orthogonal Thinker. He has also led Relativity Space, UrLife/Slice Media, and SpaceX investments.

Gopal received his A.B. in Economics from Brown University and his M.Sc. in Global Management from The London School of Economics.

## ABOUT KHMDL

Karnataka Hybrid Micro Devices Limited (KHMDL), founded in 1992, has been serving the nation from past 3 decades with highly reliable and advanced technology products like Hybrid Micro circuits & Electronic Manufacturing Services for Aerospace & Defence and Voltage regulators & fuel sensors for Automotive Industry.

KHMDL pioneered indigenisation of several HMCs for Indian Space Industry, we are the only company to indigenise radar computers and mission computer PCBAs for SU30 aircraft produced by HAL. We have end to end manufacturing facility for thick film from printing, fabrication, packaging and reliability screening.

1998	2000	2004	2005	2008	2012	2019	2020	2021	2021	2022
• Qualification of networks for ISRO	• Qualification of HMCs for ISRO	• Indigenisation of su-30 mission computer, radar computer & display processors	• Indigenisation of 15 types of hybrids for auto application	• SIATI award for indigenisation of aerospace products	• Development of special hybrids for NSTL	• Development of Seismometer Hybrid for lunar mission	• Delivery of 20 millionth voltage regulator	• Delivery of 40,000 <sup>th</sup> avionics board assembly for aircraft	• Certificate of Merit in Quality Category from ELCINA	• Winner of the India SME 100 Award

## SERVING THE SPACE AND AEROSPACE & DEFENCE FOR 30 YEARS

### • Indian Space Research Organisation (ISRO)

KHMDL is one of the first companies in India to develop various types of HMCs (Hybrid Micro Circuits) for space applications along with Indian Space Research Organisation. These HMCs are used in various subsystems like Power, mission critical HMC's for Controls, telemetry & telecommand systems.

We have supplied hermetically sealed hybrids and resistor/resistor-capacitor networks for every spacecraft that Indian space agency has built for past 15 years, including the Mars and Lunar Missions. One of the most complex hybrids we developed was for the Lunar Mission, Seismometer instrument. Our HMCs have been serving the nation with high quality, highly reliable performance with zero failures.

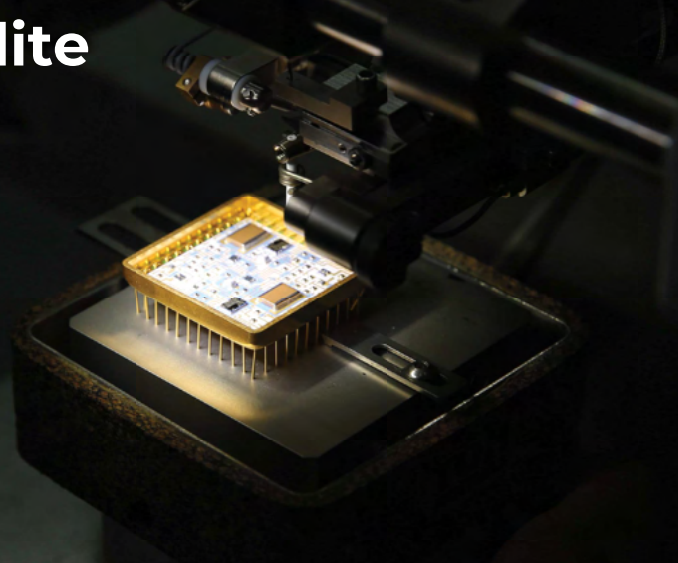
### • Hindustan Aeronautical Limited (HAL)

KHMDL is a leading EMS Contractor for Hindustan Aeronautical Limited (HAL), we have built high level, densely populated PCBs for Defence Aircrafts and have been supplying these PCBA's with flawless performance for over past 20 years. We have delivered about 40,000 Mission Computer, Radar and Display Processor Board Assemblies for nearly 500 aircrafts.

## FUTURE PLAN

KHMDL is aggressively working to expand its product and services portfolio. We are currently developing products like high frequency power modules, LTCC capability, DCDC convertors and RF design and fabrication facility. KHMDL has also developed printed heaters for various applications and temperature ranges from 50°C to 600°C.

# Our Hybrid Micro Circuits Are Present in Every Indian Satellite



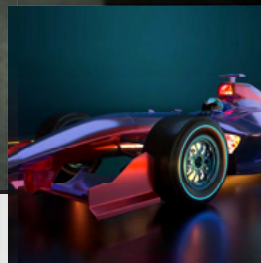
## Sectors We Serve



Nuclear & Space



Aerospace & Defense



Automotive



Industrial



Medical

- Experts in Thick Film Technology since 1992
- Proven Excellence in Micro-electronics Design
- Small Batch to Mass Production
- Clients across Automotive, Space, Aviation & Defence
- Build to Print (BTP) and Build to Spec (BTS)
- 70,000 sq. Ft state-of-the art manufacturing facility

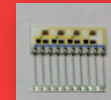
### Certifications / Approvals



### Products



Hybrid Micro Circuit Packages



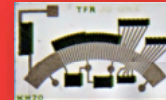
Resistor Networks



Printed Heaters



Voltage Regulators



Fuel Sensor (Potentiometer)



Controller for Anti-Pinch Power Windows

### Clients

ISRO | LUCAS TVS | HAL | PRICOL  
LRDE | ESSEN | JPM | GODREJ  
MACUREX | BEL

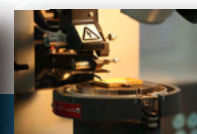
### Services



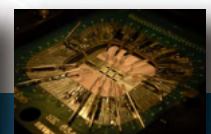
Electronics Manufacturing Services



Reliability Screening Lab



Wire Bonding



Laser Trimming



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