Even today, most clinical labs across the country, manually program tests into analysers, manually copy the results into a register and manually transcribe it once again into the LIS. This is inefficient for the labs, yes. But more importantly, it is error-prone and could be dangerous for the patient.
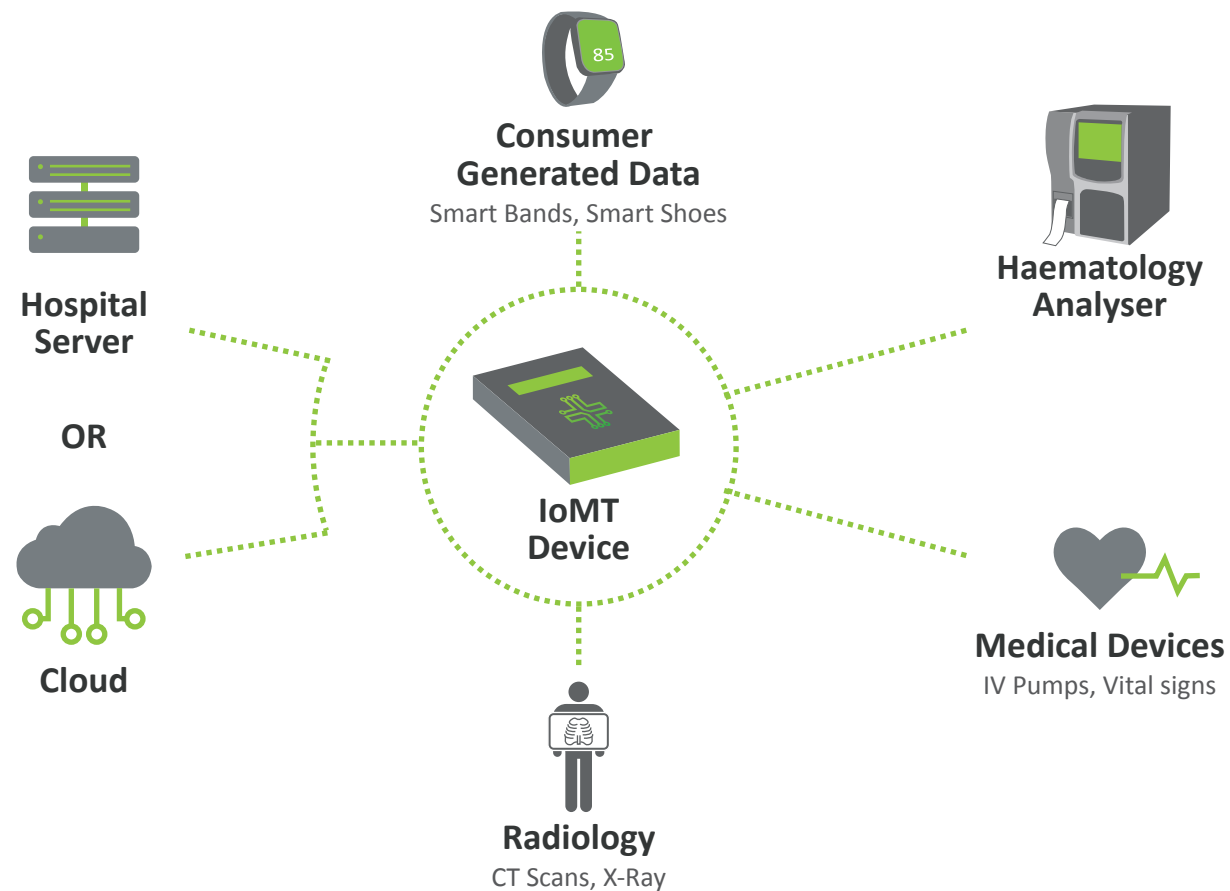
**To make lab analysis faster, efficient and error-free, Raster Images is pioneering the Internet of Medical Things in India.**

**IoMT**

# Features and benefits of Raster's IoMT devices

**Inexpensive**
Raster's IoMT devices are an efficient and inexpensive alternative to the expensive (and unsuitable) computers that are often used as interfacing equipment.

**Adaptable and easy-to-use**
Installing Raster IoMT devices are quick and easy, even if you want to connect multiple instruments across disciplines, sites and LIS.

**Power-efficient**
The Raster IoMT box eliminates the need for dedicated PC for interfacing for each analyser, saving power and space, while working reliably 24x7.

**Compliant**
All software solutions conform to international standards such as HL7 and ASTM.

**Beyond just lab analysers**
Raster IoMT devices can also connect to medical equipment like ventilators and patient monitors in the ICU/NICU and ward to the HIS and EMR.

**Platform/ tech-agnostic**
In our experience, we have worked with nearly all lab information systems and diagnostic equipment manufacuters, making sure out IoMT box serves them all.

# Raster's IoMT devices

provide direct connectivity and automation by interfacing laboratory analysers and Laboratory Information Systems (LIS) across locations.
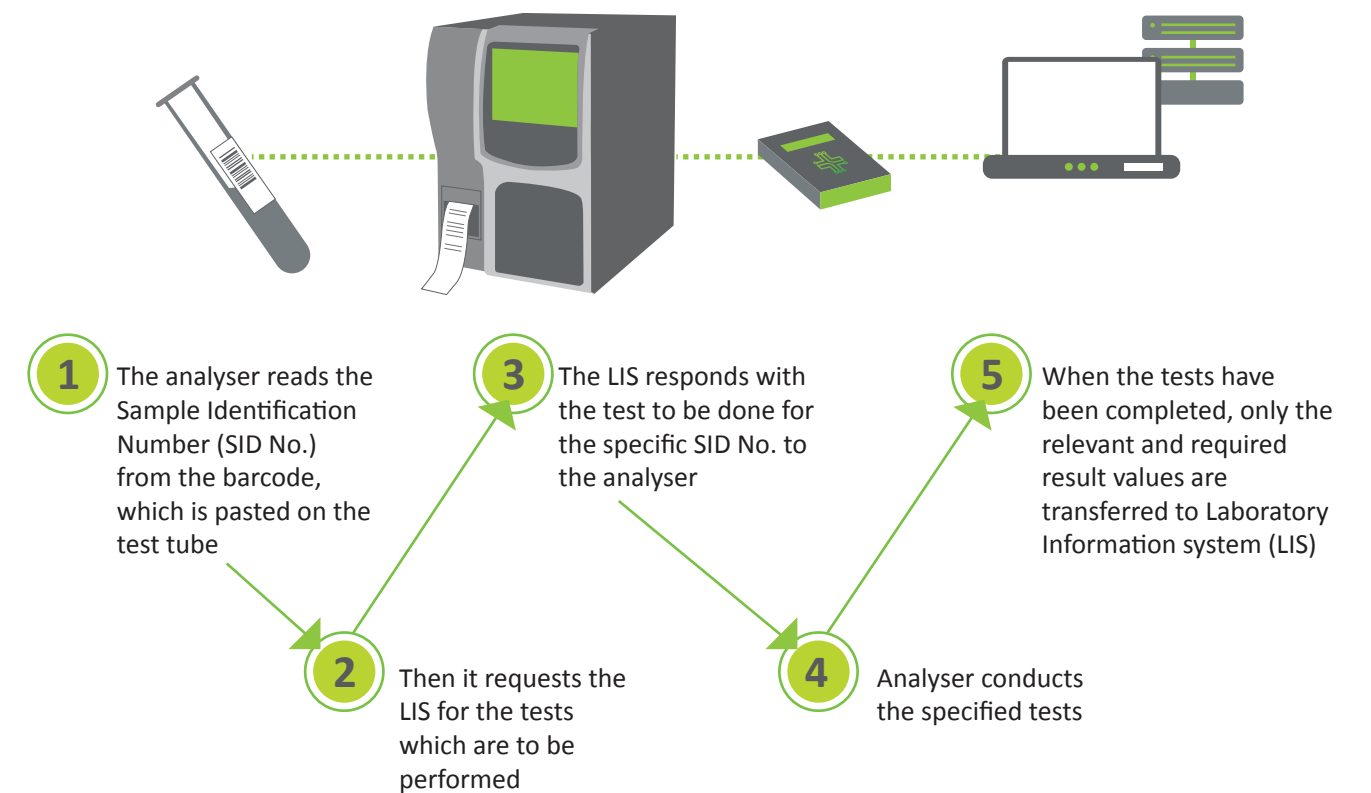
**Consumer Generated Data**
Smart Bands, Smart Shoes

**Haematology Analyser**

**Hospital Server**

**OR**

**Cloud**

**IoMT Device**

**Radiology**
CT Scans, X-Ray

**Medical Devices**
IV Pumps, Vital signs

# How Raster IoMT device works

**1** The analyser reads the Sample Identification Number (SID No.) from the barcode, which is pasted on the test tube

**2** Then it requests the LIS for the tests which are to be performed

**3** The LIS responds with the test to be done for the specific SID No. to the analyser

**4** Analyser conducts the specified tests

**5** When the tests have been completed, only the relevant and required result values are transferred to Laboratory Information system (LIS)
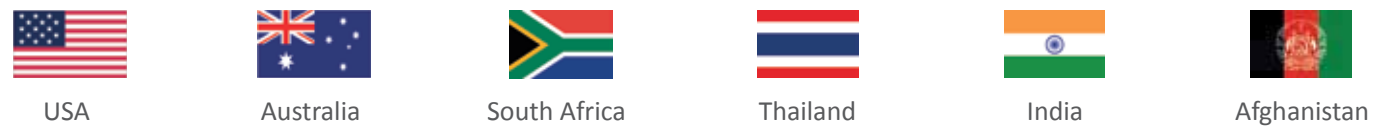
# About Raster

Raster is a technology company, leveraging modern tech to solve critical and complex business problems in healthcare. We design, develop, implement, migrate, test and maintain technology solutions in the healthcare industry. Raster images is the software division of the SKS group, which also has interest in healthcare delivery and automobile.
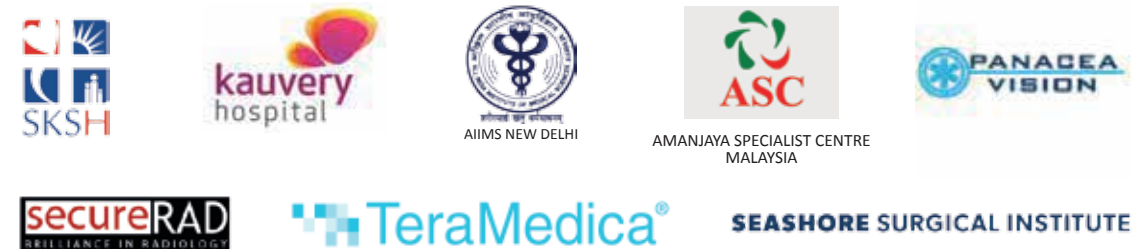
## Our other products / services

- Hospital information system (HIS)
- Lab information system (LIS)
- Tele-radiology
- Dicomizer
- Picture Archiving and Communication Systems (PACS)

## Our global footprint

| USA | Australia | South Africa | Thailand | India | Afghanistan |

## Our clients

SKSH · kauvery hospital · AIIMS NEW DELHI · ASC AMANJAYA SPECIALIST CENTRE MALAYSIA · PANACEA VISION

secureRAD BRILLIANCE IN RADIOLOGY · TeraMedica® · SEASHORE SURGICAL INSTITUTE

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# ⊞ Raster

## Pioneering The Internet of Medical Things in India

Make your laboratory analysis efficient and error-free with Raster's IoMT Devices. They are inexpensive, power-efficient embedded solutions for direct connectivity and automation of laboratory equipment