

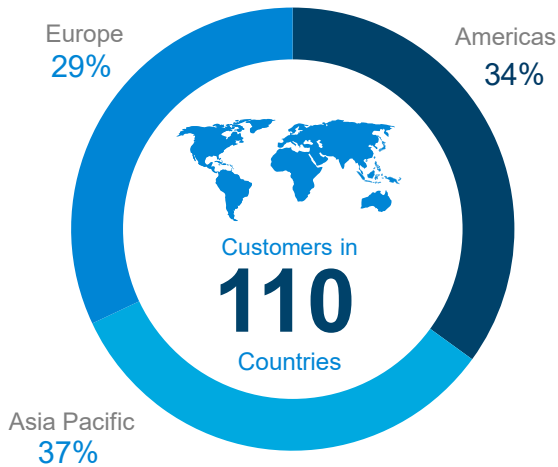
# Role of Agilent Technologies to Serve Indian Chemical Market & Its Growth

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# Agilent Technologies :



**265,000**   
Customer Labs


  
**>16,000**  
Employees

 **3600**  
Service Engineers

 **1320**  
Remote Support

 **900**  
Applications Support

 **50**  
Technology Platforms

 **8%**  
R&D Spend vs. Revenue

 **1,000,000**  
Customer Interactions Per Year



**#1**  
**Sustainability**  
DOW JONES SUSTAINABILITY RANKINGS 2019 – Science Tools and Services  
BARRON's 100 MOST SUSTAINABLE 2020

**Top 100**

**Best Places to Work**  
China, US, Germany  
**Employer of Women in China**  
Great Places to work (GPW) Institute  
**Employer of Women**  
FORBES 2019

# Our Presence and Collaboration



A global, collaborative team, serving vital industries



Pharma



Chemical and energy



Food



Environmental and forensics



Diagnostics



Research

## Committed to

Accelerating the advancement of science

Providing complete, integrated solutions

Championing your success

# Government of INDIA Initiatives and Focus on Chemical and Energy (CnE) Market



- CnE industry size 178B\$(2018-19)
- Projected ~300B\$ by 2025

- Specialty chemical size 35B\$ 2018, Expected CAGR 12% 2019-22

- Petrochemical at 80 B and Growing @ 10%

- Expecting Agro chemical at 3.7B\$ by 2022 @ CAGR 8%

## Bright Prospects for Indian Chemical Industries

- Chemical giants : Bright prospects to grow after Government's focus to have less dependency on China

## Government Strategy to Make Indian Agro Chemical Sector Self Reliant

- "GoI asked the agro-chemicals industry to come out with new molecules of global standards for the farmers' benefit"
- Industry body CropLife India pitched for stable policy and regulatory regime to boost the growth of the sector



# How Agilent can Contribute to Aatmanirbhar BHARAT Initiative

# Agilent's Solution to Chemical and Energy (CnE) Market

## Application Solution for India Chemical Industry



❖ Characterization of raw materials, such as actives, additives, Dyes, and surfactants, to the composition and stability of the formulated product using **8890/60/INTUVO7697** head space



❖ **Hand Sanitizer** using **8890/60 GCFID**

## SOLUTIONS FOR SPECIALITY CHEMICALS



- 🌈 Accurate and precise Pharma intermediates analysis
- 🌈 Various detectors available like DAD, UV, FLD, ELSD, RID
- 🌈 Highest level of sensitivity

**USP: Smart alert enable, ETC (Electronic temperature control), Smart diagnosis options in software, ALS programming, auto calibration.**

### Basic Chemicals

- Petrochemicals, man-made fibers,
- Industrial gases
- Alkali, and other organic and inorganic chemicals
- Resins and membrane

### Specialty chemicals

- Dyes and pigments, leather chemicals,
- Construction chemicals,
- Personal care ingredients and
- Organic and inorganic catalysts

### CnE Sub Segments

### Agrochemical

- Insecticides,
- Herbicides,
- Fungicides
- Other crop protection chemicals

### Polymers

- Broad range of polymer for broad market applications
- High quality polymers (well characterized)

### Elemental Solution

- Analysis of inorganic salts & chemicals (Dyes/pigments) using MP-AES & ICP-OES
- Estimation of elemental content & metal impurities in Cement matrix as per IS & CPCB regulations using ICP-OES
- Analysis of fertilizers/bio-fertilizers & fine chemicals using AAS/MP-AES/ICP-OES
- Estimation of migration of toxic metals from Toys as per IS 9873-3 & 5/EN71 regulation using ICP-MS & ICP-OES.



# Digital Connect During Pandemic

## Analysis of Ethanol and Isopropanol in Alcohol-based hand sanitizers by direct injection GC/FID

Vanessa A. Stremplez  
191 Blue Ridge  
Technology  
2850 Central  
Agilent Technologies

### Digital Connect

Digital connect on analyzing alcohol levels in your hand sanitizers and assessing material properties of non-medical masks

18<sup>th</sup> Sept. 5.00 pm IST



### Live Webinar

Agilent Solutions for Chemical and Energy Market

23 July, 3.30pm IST



## Analysis of Alcohol Levels in Hand Sanitizer

Answers in the lab or in the field with Agilent FTIR instrumentation

- Customer based Webinar on Hand Sanitizer using GCFID targeting SMEs and Sanitizer Manufacturers.

- Digital Connect on Analysis of Non-Medical Mask using FTIR CnE

- Webinar based on Application Coded Agilent's Complete Solution to address CnE market

- FTIR based solution to address customer-based Webinar on Hand Sanitizer targeting SMEs and Sanitizer Manufacturers.

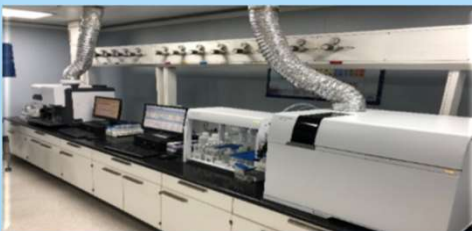
## Centre of Excellence



COE, Mumbai



COE, Bangalore



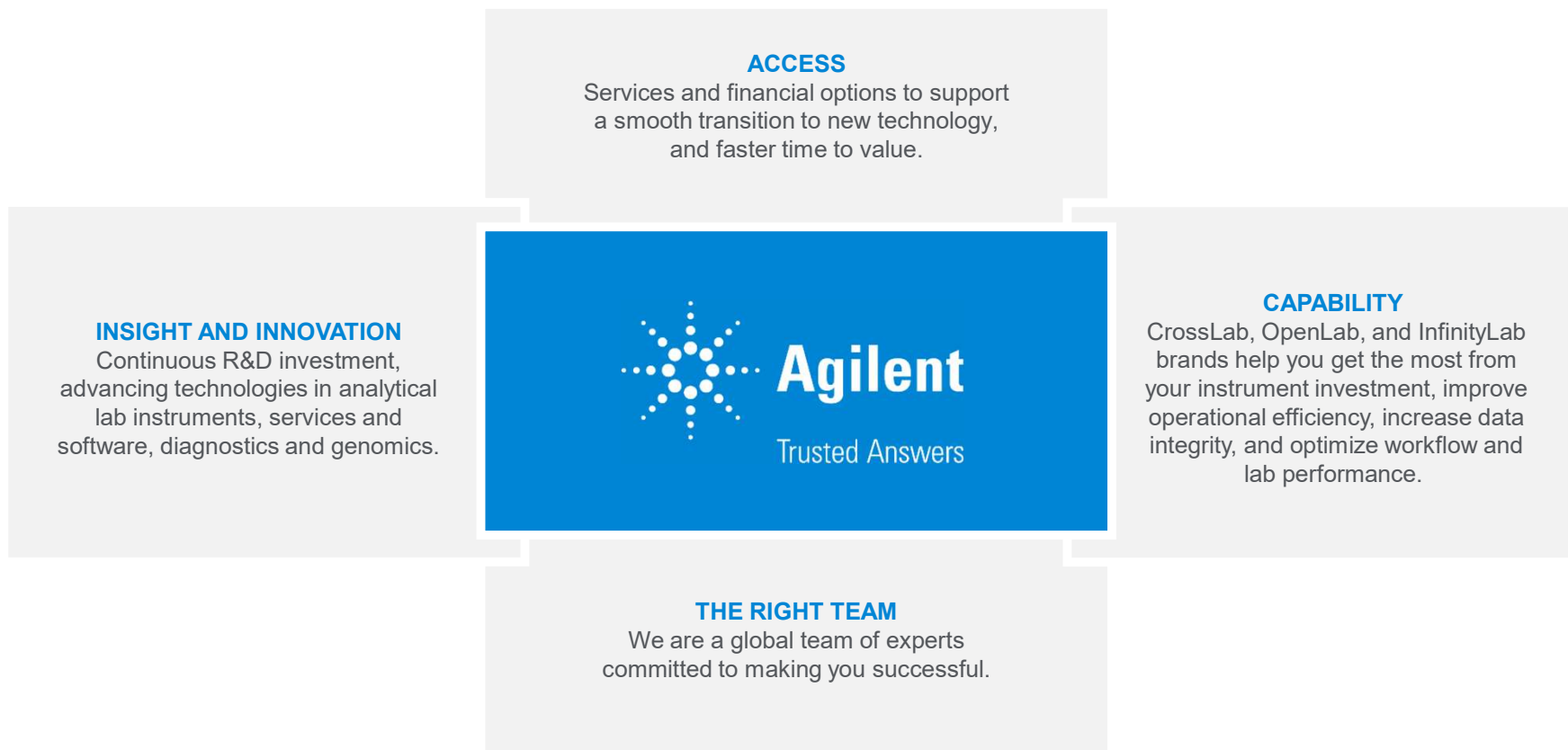
COE, Manesar



- Providing Education
- Technical Assistance
- Demonstration
- Laboratory Solution development
- Collaboration with Industry on Solution Development



# Agilent: A Powerful Combination



# Thank you

*For Queries and Question  
Please connect :*

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