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INCEPTA PHARMACEUTICALS LTD



Established in
1999

Started
operation in
Jan 2000



INCEPTA PHARMACEUTICALS LTD

MISSION

Provide quality healthcare products and services for the benefit of humanity in the best possible way through innovation and diversification

\$529

M

Revenue

1300+

Products

255

First ever products

2nd

Rank

2

Manufacturing
site

10,000+

Employees

VISION

To become a trusted healthcare company to ensure better health for everyone, everywhere

**“INNOVATIVE
CONCEPT
INTO
PRACTICE**



MANUFACTURING CAPABILITY

- Tablet ●
- Capsule ●
- Liquid ●
- Powder for suspension ●
- Injections ●
- Ointment/cream/gel/solution ●
- Granules in sachets ●
- Nasal sprays & drops ●



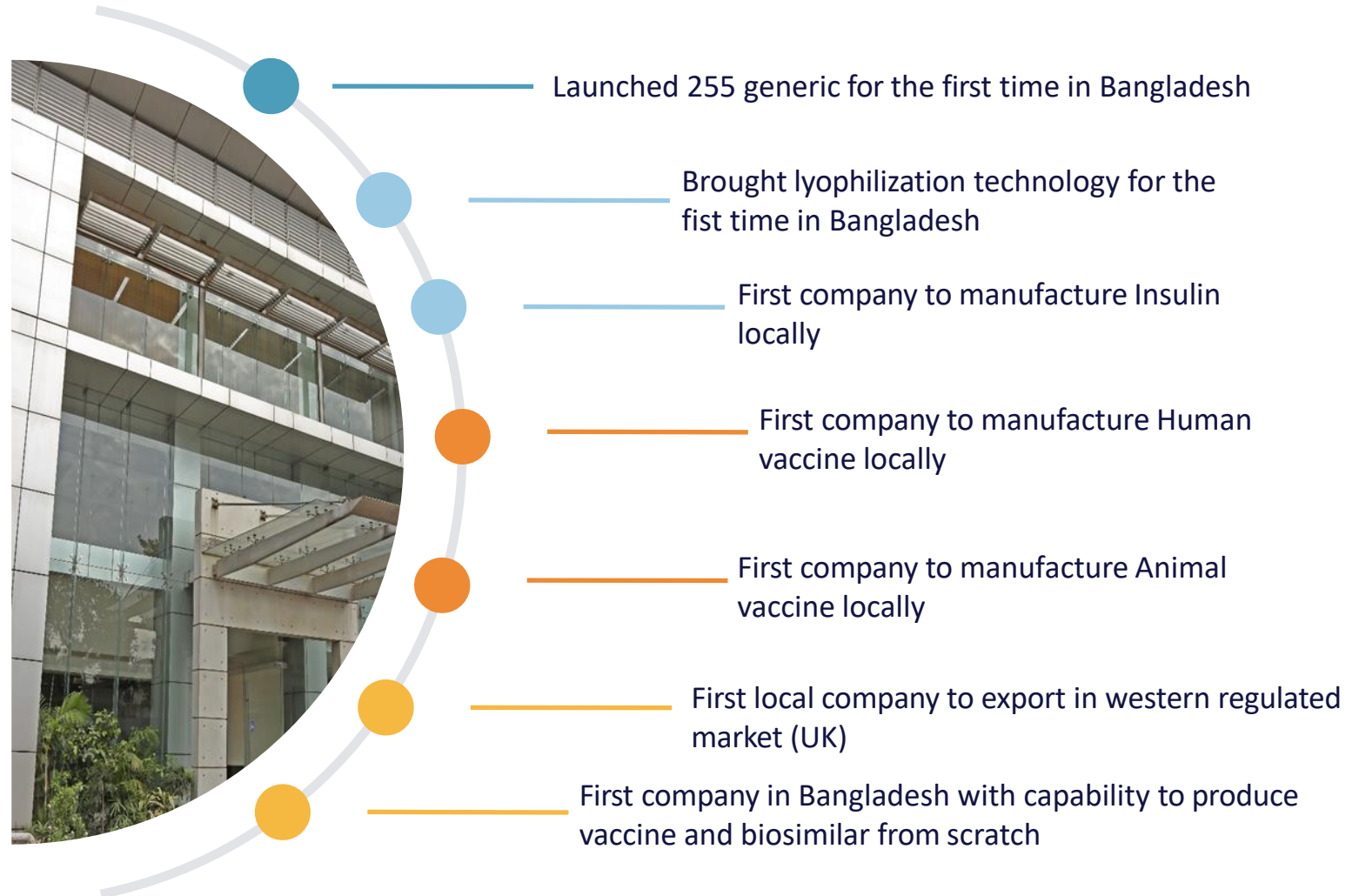
- Lyophilized injections
- Eye drops
- Large volume injections
- Nebulizer solutions
- Dry powder inhaler
- Pre-filled syringes
- Natural and herbal products
- Veterinary products

Vaccines

Biotech products

INCEPTA PHARMACEUTICALS LTD

**A company
of
first**



GLOBAL REACH

6

Continents

89

Countries

300+

Generics



INCEPTA VACCINE LTD

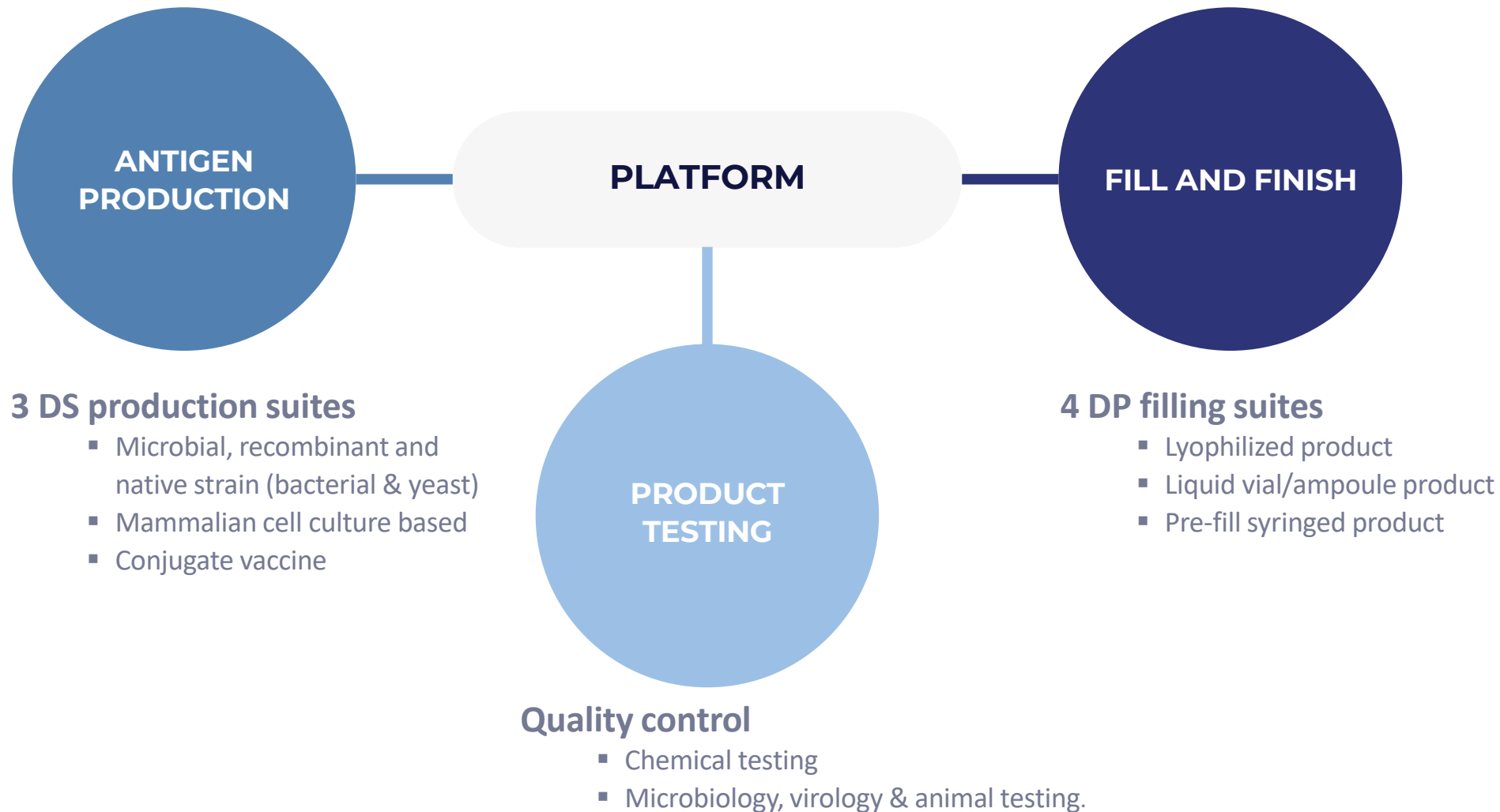
First vaccine
manufacturing
company in
Bangladesh
established in
2011

Provide vaccine to
a vast majority of
population at an
affordable cost

State-of-art facility
compliant with
WHO GMP
requirements with
dedicated
manpower



TECHNOLOGY PLATFORM



DS PRODUCTION CAPACITY



DS SUITE 1

- Cell culture based vaccine
- 75L and 450 SS bioreactors suitable for suspension and micro-carrier based culture
- Scale-X fixed bed bioreactor

DS SUITE 2

- Conventional bacterial vaccine
- 150L & 1500L SS fermenter

DS SUITE 3

- Recombinant/subunit vaccine
- 75L & 750L SS fermenter

DP PRODUCTION CAPACITY



FOUR FILLING LINES

- Line 1 for vial filling equipped with lyophilizer
- Line 2 for ampoule filling
- Line 3 for vial filling with PFS machine
- Line 4 for vial filling

DOSE SIZE

- 0.1ml to 20ml

FILLING CAPACITY

- Single dose: 180M per year
- Multi dose: 1B per year

RESEARCH AND DEVELOPMENT CAPACITY



R&D SUITE

- Cell culture based vaccine development lab
- Bacterial vaccine development lab
- Molecular biology lab
- Conjugation lab
- QC analytics development lab

VIRAL LAB

- Roller bottle, cell factory and bioreactors ranging from 5L to 19L
- Scale-X fixed bed bioreactor

BACTERIAL LAB

- Fermenters ranging from 5L to 19L
- Modern purification tools

PRODUCT PORTFOLIO



Products obtained licensure

- Meningococcal polysaccharide vaccine
- Recombinant hepatitis B vaccine
- Oral cholera vaccine
- Inactivated rabies vaccine (Scale-X platform)

Products under clinical development

- Typhoid conjugate vaccine (licensure Q4 2023)
- SARS-CoV2 protein subunit vaccine (discontinued after PCT)

PRODUCT PORTFOLIO



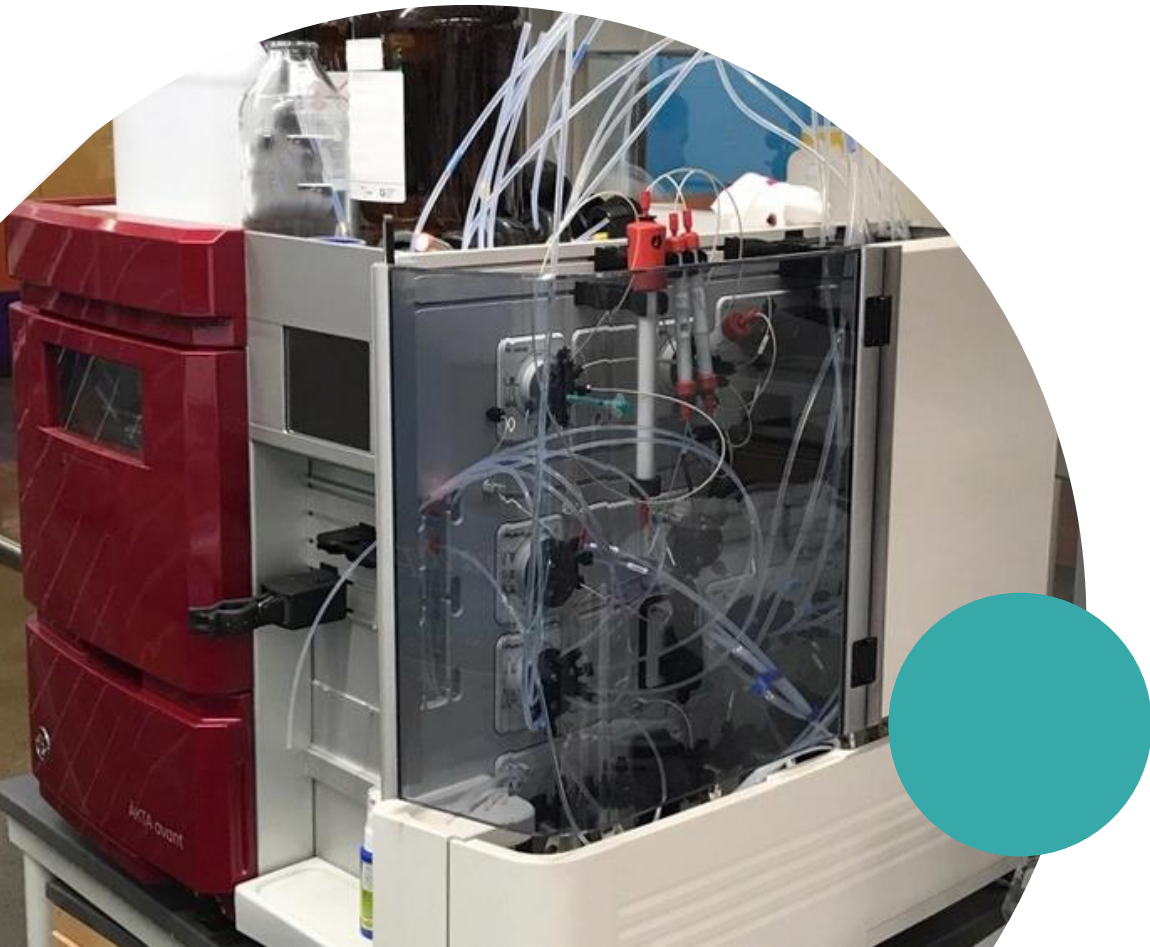
● Fill finish vaccines

- Tetanus toxoid
- Typhoid polysaccharide
- Influenza
- Rubella
- Hepatitis A
- HPV
- Varicella

● Fill finish immunoglobulins

- Tetanus (human and equine)
- Rabies
- Human normal Ig
- Snake venom

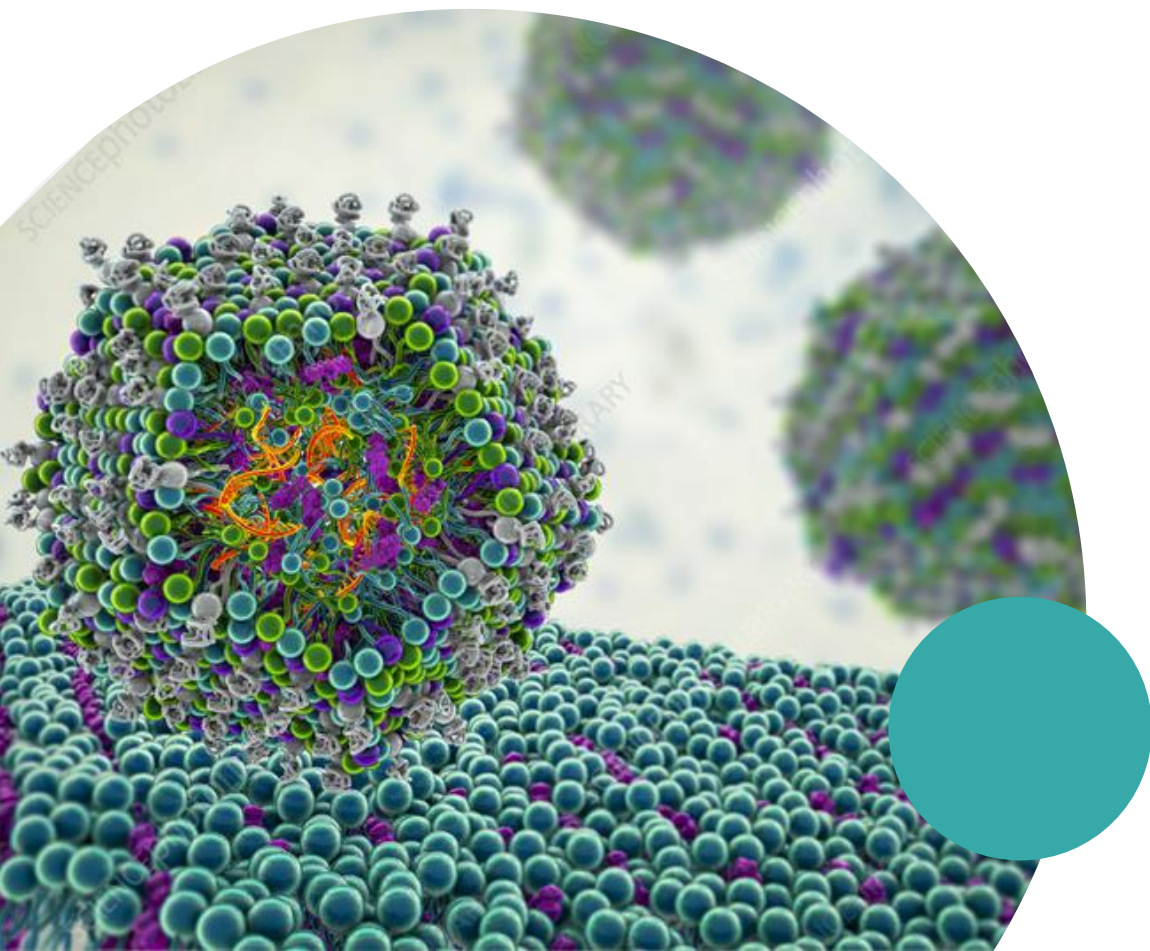
PRODUCT PORTFOLIO



Products in pipeline

- HPV L1 VLP (yeast)
- Rotavirus VP8 protein subunit vaccine (yeast)
- Zoster vaccine recombinant (yeast)
- Pneumococcal conjugate vaccine
- Meningococcal conjugate vaccine
- Measles rubella live attenuated vaccine
- CRM197 (*E. coli*)

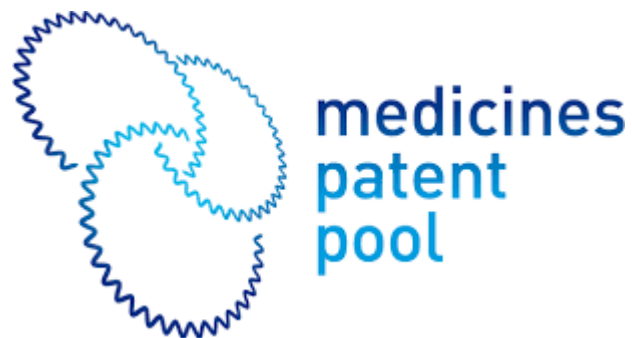
ESTABLISHMENT OF mRNA PLATFORM



- Current R&D lab re-purposed for short term
- New R&D lab dedicated for mRNA by Q4 2023
- Design and develop plasmid DNA (SARS-CoV2 spike/RBD and rabies Gp)
- IVT reaction optimization, purification and expression confirmation *in vitro*
- Partnership with Imperial College London
- T7 RNA polymerase production (clone developed at Imperial College London)
- Thermostable formulation development
- Rotavirus, HPV, flu, Nipah virus etc.

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- Prof. Robin Shattock
- Prof. Karen Polizzi
- Prof. Cleo Kontoravdi



- **University of Leeds**

- Prof. Nicola Stonehouse



UNIVERSITY OF LEEDS

THANK YOU
THANK YOU
THANK YOU

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