



Biological E. Limited

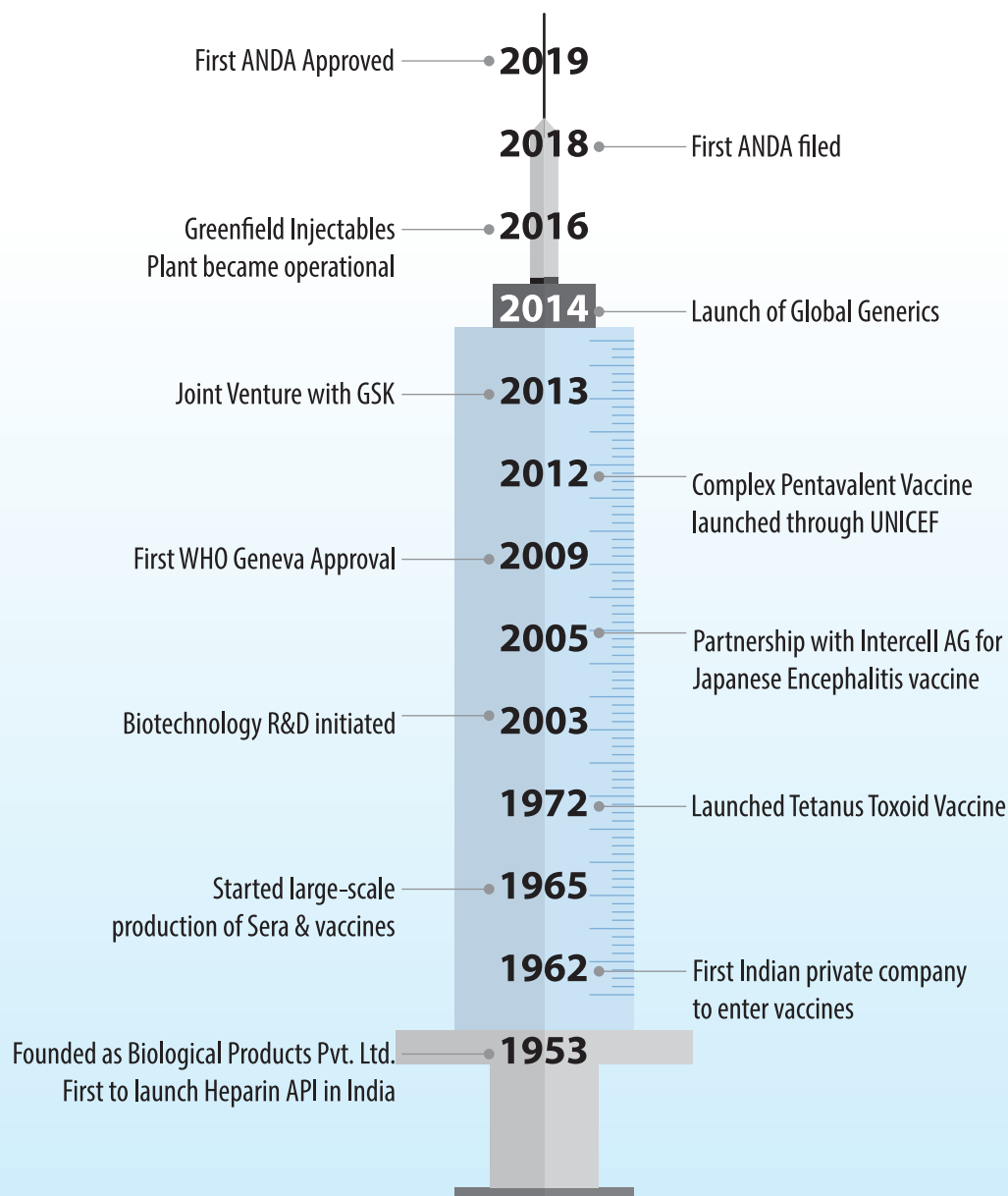
Celebrating Life Every Day

Pioneer in the Indian Pharmaceutical Industry



Pioneering Spirit Combined With Long-Term Vision Drives Our Company's Philosophy

- Established in 1953, Biological E is the first private sector biological products company and a pioneer in large molecule injectables in India.
- Science driven organization with a diverse talent pool working towards providing healthcare to patients across the globe.
- Vertically integrated pharma company focused on developing, manufacturing and commercializing complex injectables and specialty pharmaceutical products.
- Continuous innovation to develop and produce proprietary products with focus on biologics and novel delivery systems.



Leveraging Our Strengths To Become A Sustainable Specialty Pharmaceutical Company

- Experience and expertise from a long history of developing and manufacturing complex large molecule injectables.
- We leverage our experience across global markets to provide on time, quality and cost effective supply.
- Strong in complex molecules – from characterization and manufacturing of complex API to complex formulations.

Driven by
Science

Experience in
Large Molecules &
Injectables

Expertise in
Supply Chain

Natural Progression
into Complex
API & LAIs



Global Supply Chain That Integrates Agility and Stability

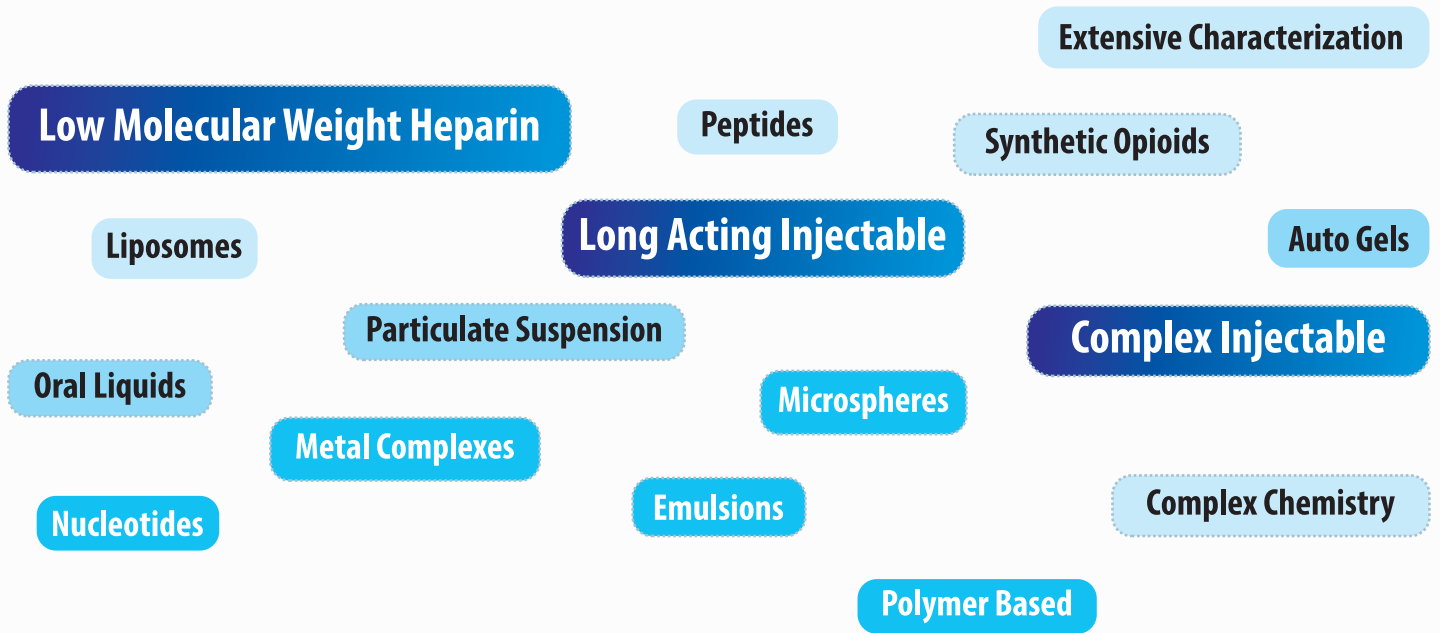
- Ensures uninterrupted supply to over 100 countries.
- Manufacturing over 2 million doses of large molecule injectables everyday.
- Supplied 2 billion doses of large molecule injectables worldwide.
- Expertise in handling sophisticated supply chain including cold chain deliveries.



Our Focus

- Complex Generics

- Low Molecular Weight Heparins, Complex Generics and Routine Injectable products.
- Long Acting Injectable Products.
- Recombinant / New platform technology products.
- APIs for opioids through synthetic route / fermentation technology.



State-Of-The-Art Green Field Injectable Facility With Full Backward Integration

The campus houses API manufacturing blocks and Formulation facilities.

- New API facility consists of 4 Modules:
 - Module - 1 (LMWH) : 6,700 Kg / annum
 - Module - 2 (Noscapine) : 30 MT/ annum
 - Module - 3 & 4 : For future products (low volume APIs)
- New FFP (Formulation-Filling-Packing) facility consists of 3 independent filling lines:
 - Bosch PFS filling line : 24 Mn units / year
 - Steriline PFS filling line : 17 Mn units / year
 - Vial filling line (with Lyophilizer) : 7 Mn units / year

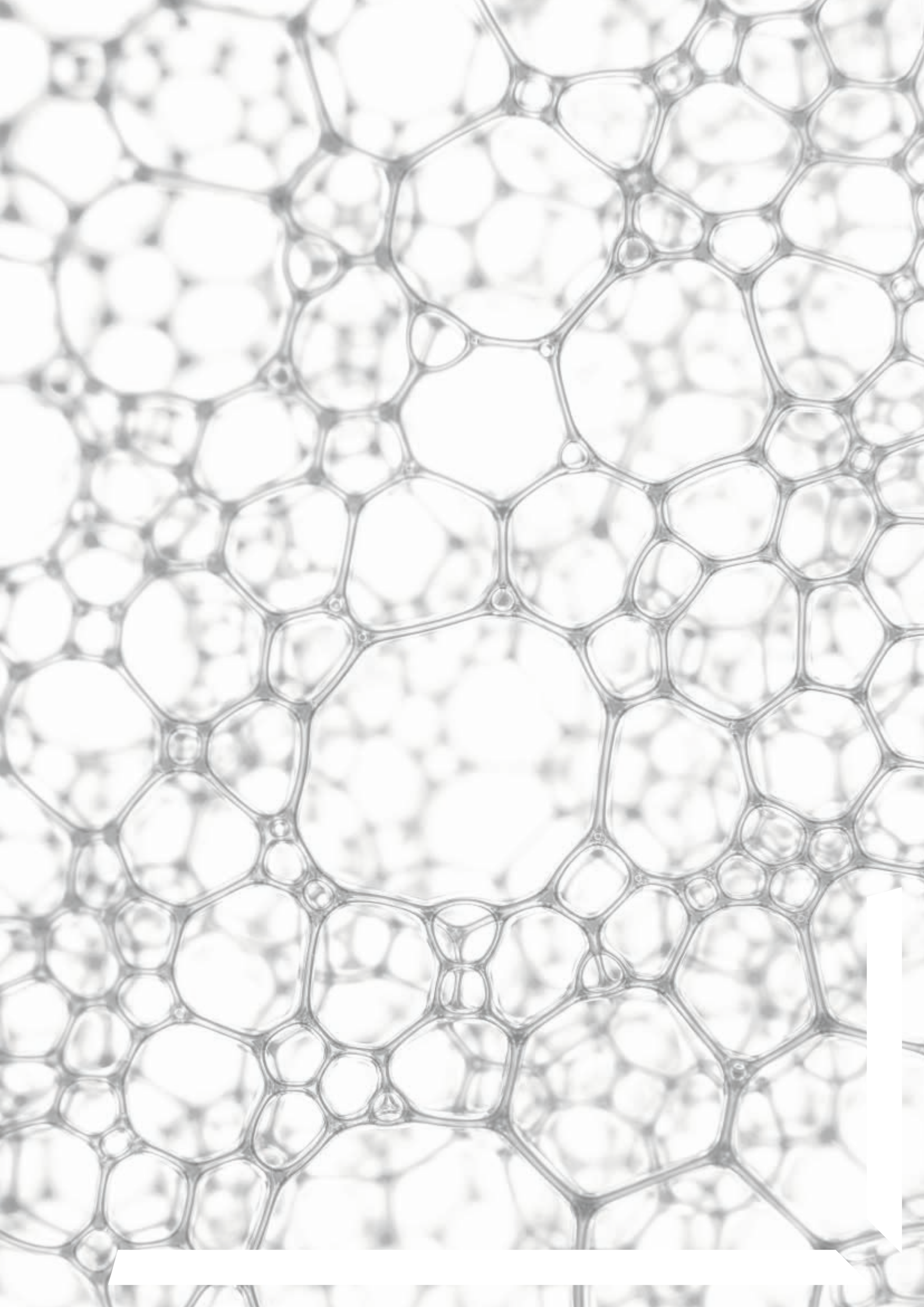
Significant strategic advantage with backward integration of APIs for critical products.
Compliant with USFDA, EMEA, MHRA, TGA, ANVISA and MCC.



Seeking Strategic Alliances To Accelerate Impact

- We have been partner of choice for many of the leading organizations.
- Currently setting up direct marketing teams in USA, UK and Germany.
- A strong presence in India in Critical Care, Nephrology, Gynecology and Pediatric therapies. Our brands have maintained leadership positions over a span of 50 years.
- Open to strategic alliances with licensing, development and manufacturing partners.







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Celebrating Life Every Day

Saving lives, improving health and spreading joy
for over six decades



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