





More than Pharma

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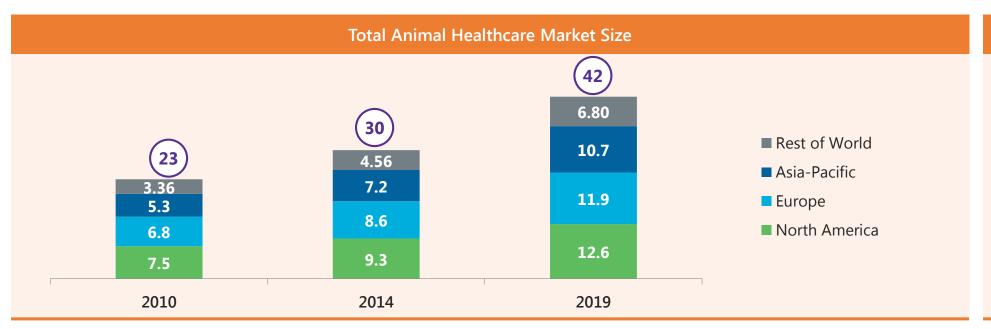
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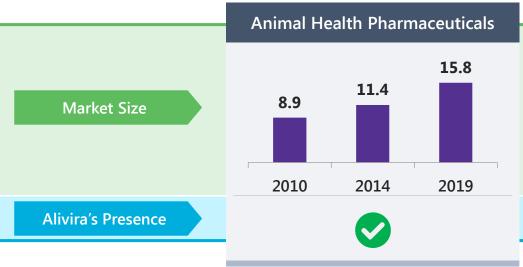
## Animal health – Large Growing and Diverse Sector Sequent 🕸

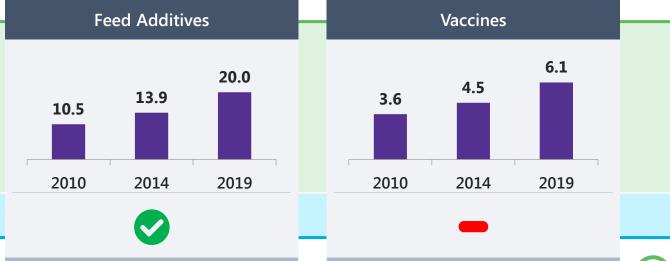


**CAGR** 



#### 2010-14 2014-19 7.2% 6.6% 8.1% 7.8% 8.0% 8.2% 6.0% 6.7% 5.5% 6.3%





## Animal Health- The BEST of both worlds



	FMCG	Specialty C Pharma	Commodity Generic	Branded Generic	Global Animal Health	
R&D Expenses						R&D for ease of use & drug delivery
Regulatory Barriers						Complex regulatory requirements leading to disproportionate R&D returns
IP Barriers						Few products under patent protection
Brand Building & local distribution strength		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	% X ,0%		**************************************	Veterinarian connect is critical including the relationship with farmers
Local know how / information availability	000	000	00	00	000	No secondary market database hence, business developed on strong local knowledge; Complex & distinct regional need
Management	GLOBAL LOCAL	•	•	•	GLOBAL LOCAL	

# Alivira emerges as India's Largest animal health company within 3 years of operations



- First Global pure-play Animal Health Company from India:
  Demerger of Human Business completed
- Stellar improvement in Annual performance: Expansion in EBITDA Margins by 190 bps, Net profit of ₹ 103 Mn vs loss of ₹ 139 Mn in FY17
- Back in Dividends after 6 years: Paid dividend of 10% to shareholders in FY18
- Investments for strengthening R&D and manufacturing capabilities:

  Over \$80 million invested in last 4 years
- Building marketing presence through differentiated portfolio: 500+ Finished Dosage Formulations across 12 dosage forms
- **Extensive regulated market reach:** Eight manufacturing facilities based in India, Spain, Germany, Brazil and Turkey catering to 100+ countries

#### **API Business**





- EIR received for USFDA inspection at Vizag, the only USFDA-approved animal health API facility in India
- 14 API filings in the US highest by any generics players; 10 CEP filings
- First commercial API sale in the US

## Formulation Business



- **Expanding Global Footprint**
- Established presence in France, the largest European Union market
- Acquired Bremer Pharma (Germany) in April 2018 significant boost to injectable pipeline for US and EU
- Pet division launched in India entry into growing companion animal market

## Differential market attributes, Alivira's distinctive approach



	Indian Pharma Approach	Unique Animal Health/ Veterinary characteristics	Alivira's Approach
Industry Dynamics	<ul> <li>Manufacturing driven strategy taken global</li> <li>India based management</li> </ul>	<ul> <li>Limited scale "in-market" local business</li> <li>Customer focused business with emphasis on relationships</li> </ul>	<ul> <li>Applying cutting-edge resources to remain ahead of the curve in a rapidly growing industry</li> <li>Global management with international expertise and local knowhow</li> </ul>
Market Knowhow	<ul> <li>Strong market intelligence available - IMS database and trends</li> <li>A big advantage to begin, however leads to hyper strategy with "me-too" products</li> </ul>	<ul> <li>No secondary market database and business built on local knowledge</li> <li>Complex &amp; distinct regional needs</li> <li>Vet market: exemplified by regulatory barriers &amp; FMCG characteristics</li> </ul>	<ul> <li>Local know how with veterinarians connect</li> <li>Region specific portfolio</li> <li>Customer centric; relationship driven front end</li> </ul>

## Differential market attributes, Alivira's distinctive approach



	Indian Pharma Approach	Unique Animal Health/ Veterinary characteristics	Alivira's Approach
Customer Acquisition	<ul> <li>Partner approach</li> <li>Price position with customers and gradually moving up the value chain</li> </ul>	<ul> <li>Branded generics market</li> <li>Veterinarian connect is critical including the relationship with farmers</li> </ul>	Established global front end for last mile partnership
Research	<ul> <li>Industry driven by patent expiry</li> <li>High R &amp; D focus with large filings in US</li> </ul>	<ul> <li>Few products under patent protection</li> <li>Limited R&amp;D focussed on drug delivery &amp; ease of use</li> <li>Complex regulatory framework driving disproportionate R&amp;D returns</li> </ul>	<ul> <li>Customized R&amp;D approach</li> <li>Smart program with focus on API &amp; Formulations</li> <li>Multiple approaches leveraging local knowledge</li> <li>Smart usage of resources</li> </ul>

## **Key Acquisitions**

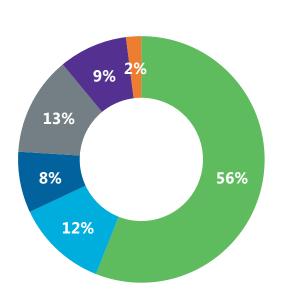


Acquired Entities	Provet/Topkim	Karizoo	Evance	N-VET / Fendigo	Bremer
Markets	Turkey	Spain	Brazil	Rest of EU	Germany
Capabilities & Domain	<ul> <li>Presence in Turkey &amp; neighboring markets</li> <li>Manufacturing base</li> <li>120+ registrations</li> </ul>	<ul> <li>Presence in 15 key EU countries &amp; Mexico</li> <li>Manufacturing base</li> <li>115+ registrations</li> </ul>	<ul><li>Presence in Brazil</li><li>Manufacturing base</li><li>25+ registrations</li></ul>	<ul> <li>Presence in 4 key EU markets</li> <li>150+ registrations</li> </ul>	<ul> <li>Presence in EU &amp; key EM markets</li> <li>Sterile injectables, Oral powders &amp; Oral liquid</li> <li>300+ registrations</li> </ul>
Decision Rationale	<ul> <li>Access to key market of Turkey</li> <li>Comprehensive manufacturing with eight lines including injectables</li> <li>EUGMP and Turkish GMP approved</li> </ul>	<ul> <li>Access to Spain and 15         key EU markets</li> <li>Manufacturing of Oral         liquids, beta-lactum and         non beta-lactum         antibiotics</li> <li>EUGMP and FAMIQS         approved</li> </ul>	<ul> <li>Access to key market of Brazil</li> <li>Manufacturing of antibiotics and antibacterial</li> <li>MAPA approved</li> </ul>	<ul> <li>Access to key markets and relationships with Belgium, Netherlands, Luxembourg &amp; Sweden</li> <li>Well established distribution relationship with 27 countries in Europe</li> </ul>	<ul> <li>Access to EU approved injectable facility</li> <li>Boosts injectable pipeline which Synergizes with Spanish facility – Powders &amp; Oral liquids</li> <li>Complimentary EM business</li> </ul>
Ownership	<b>•</b> 60:40	<b>6</b> 0:40	<b>-</b> 70:30	<b>8</b> 5:15	<b>1</b> 00%
Year of Acquisition	<b>2014/2015</b>	<b>2016</b>	<b>2016</b>	<b>2</b> 015	<b>2018</b>
Revenues	<ul><li>Provet: TRY 24.6 Mn</li><li>Topkim: TRY 21.5 Mn</li></ul>	<ul><li>Karizoo: EUR 24.2 Mn (9 months)</li></ul>	<ul><li>Evance: BRL 14.2Mn (8 months)</li></ul>	<ul><li>N—vet: SEK 28.6Mn</li><li>Fendigo: EUR 7.2Mn</li></ul>	■ Bremer: EUR 6.7Mn

#### Unique partnership model for derisked execution

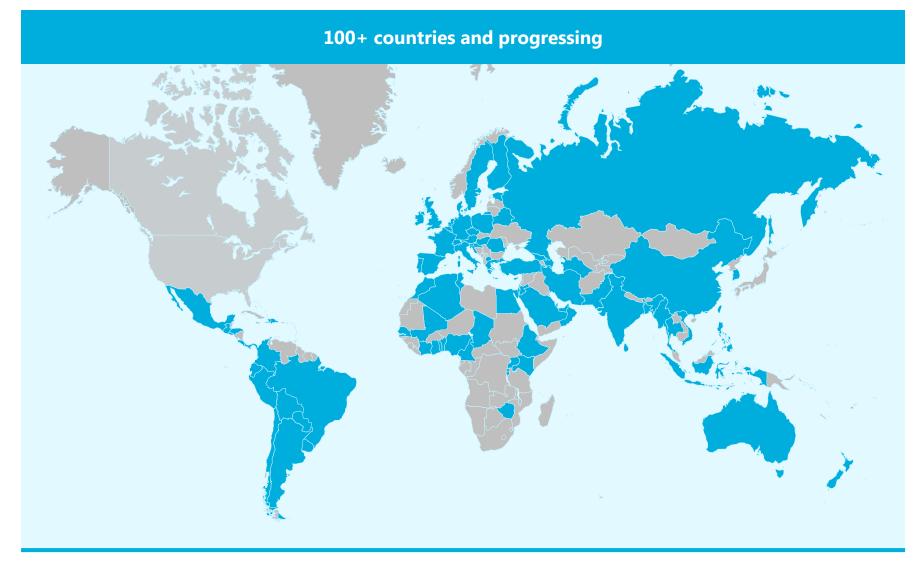
## Fast expanding market coverage







- LATAM
- Emerging Markets
- Turkey
- India
- North America & ANZ



## Firm Footprints across major markets



We have five state-of-the-art formulations manufacturing facilities in India, Germany, Turkey, Spain and Brazil with all major regulatory approvals

	Barcelona	Polatli	Ambernath	Campinas	Warburg
	Spain	Turkey	India	Brazil	Germany
Approvals	EUGMP	EUGMP and Turkish GMP	India, Uganda, Ethiopia and Kenya	MAPA (Ministry of Agriculture)	EUGMP
Capabilities	Liquids – oral solutions/suspension and solids (powders) – betalactam and non-beta lactam antibiotics. Specialises in nutrition Products -veterinary premixes	Beta-lactam and non-beta lactam injectable solutions/ suspensions, intra-mammaries, oral solutions / suspensions, aerosol and pour-on, spot-on	Granules for injections and oral liquids	Oral solutions, oral powders and drug premixes	Sterile injectable including betalactam and hormones, oral liquids and oral powders Acquired in April 2018

## Firm Footprints across major markets

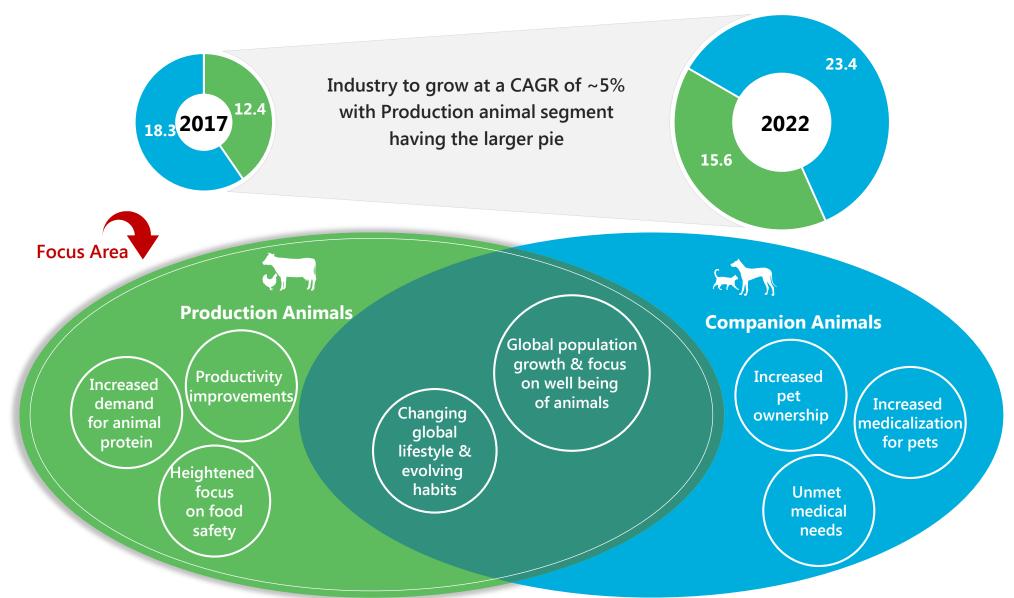


We have three state-of-the-art API manufacturing facilities in India with all major regulatory approvals

	Vizag	Mahad	Tarapur
	India	India	India
Approvals	USFDA and EUGMP	EUGMP & COFEPRIS Mexico, WHO- Geneva approval expected shortly	cGMP
Capabilities	API facility with reactor capacity of 225 KL with six clean rooms	Comprehensive manufacturing facility spread over 6 acres of land with 23 reactors having cumulative capacity of 76KL	API intermediates facility with reactor capacity of 64 KL with two clean rooms

## Advantageously placed in a growing opportunity



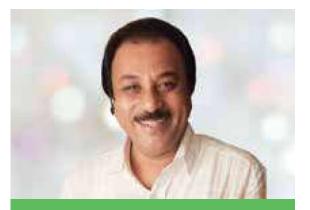


## Strong Management team





**Manish Gupta**Managing Director



**Sharat Narasapur**Manufacturing Strategy



**Tushar Mistry**Chief Financial Officer



**Shrikant Makode**API



Ramon Vila Europe



Jose Nunes Filho LATAM



**Dr. Huseyn Aydin**Turkey



**Ashish Kakabalia**Business Development and R&D

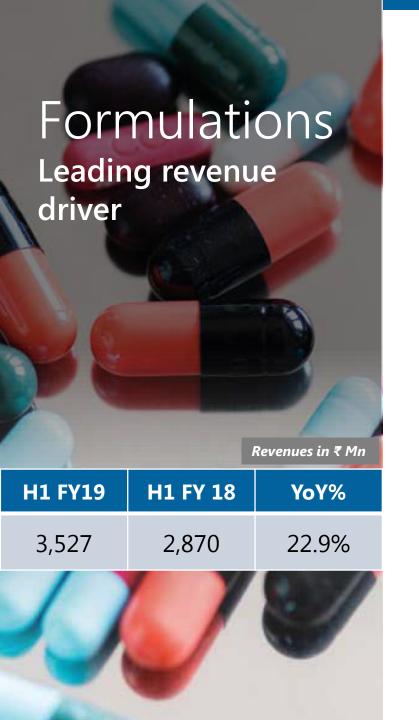




# Formulations Skill and Scale

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900+

Registrations

Manufacturing
Facilities
(3 EUGMP certified)

State-of-art R&D Centers

35+ R&D Pipeline

7.4X

#### Sales growth in last 4 years

#### H1 Key Highlights

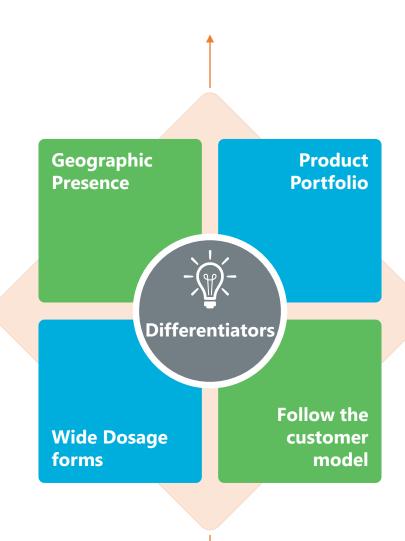
- Robust growth across geographies, driven by 20+ launches and improved market share across key products
- ✓ 25 launches planned for the year, with 10 launches made in H1
- ✓ Turkey Sequential improvement with strong 25% growth in constant currency
- ✓ Bremer On track for sustainable break-even by end of FY 19
- ✓ Strong R&D pipeline to maintain growth momentum

## A steady foundation for global expansion



- Europe, LATAM, Turkey, India, Africa and SE Asia
- Recent foray into France & Ukraine

 Possess a wide range of dosage forms including injectables, powders, granules, solutions, suspensions and topicals



- Comprehensive portfolio covering feed, nutritional and therapeutic classes
- Addresses multitude of species across therapy classes
- Diversified manufacturing and R & D base globally
- Customised market centric formulations

## **Across Multiple Geographies**



Geography	Our Presence	Growth Drivers and Focus Areas
Europe	<ul> <li>Front end team of 35+ with presence in 6 of the top 10 EU countries (ES, NL, BE, SE, DE, GR) and 15 other EU markets through distributors</li> <li>95+ product registrations with last mile channel partnership for 27 EU companies</li> <li>Manufacturing base at Spain &amp; Germany, R&amp;D base at Barcelona</li> </ul>	<ul> <li>Leverage manufacturing base in Spain and Germany with R&amp;D facility in Barcelona</li> <li>Establish front-end presence across Top 10 markets</li> <li>Expand distribution reach across key EU countries</li> <li>Provide thrust through injectable pipeline</li> </ul>
Turkey	<ul> <li>3rd largest Animal Health Company in Turkey         (~10% market share)</li> <li>Largest producer of veterinary pharmaceuticals</li> <li>Portfolio of 120+ products &amp; 40+ field force</li> <li>Robust manufacturing capabilities</li> </ul>	<ul> <li>Leverage comprehensive manufacturing capabilities for large share in Turkey in MENA</li> <li>Enhanced presence in cattle &amp; sheep segment</li> <li>Expertise in injectable products especially penicillin and cephalosporins among others</li> </ul>

## **Across Multiple Geographies**



Geography	Our Presence	Growth Drivers and Focus Areas
LATAM	<ul> <li>Brazil- 25+ registered products; GMP manufacturing facility approved by MAPA, Field force 11+</li> <li>Mexico- 28+ registered products; Field force of 7+</li> </ul>	<ul> <li>Addition of therapeutic products across nutritional additives and supplements</li> <li>Cross leverage of group portfolio</li> <li>Capitalize EU relationships for in-license products</li> <li>Expand into other LATAM markets</li> </ul>
Emerging Markets	<ul> <li>Africa- 14 key countries, 85+ approved products - 14 field force (direct &amp; indirect)</li> <li>South East Asia- 5 countries, 11 Indirect field force, 65+ approved products</li> <li>MENA - 6 countries, 12 Indirect field force, 24 registrations</li> <li>CIS Ukraine - 5 product registrations</li> <li>India Cattle &amp; Poultry - 150+ field force; 50+ Brands</li> </ul>	<ul> <li>Established front end in East Africa &amp; South East Asia</li> <li>Enter new markets: Egypt, Saudi, Thailand, Tanzania, CIS &amp; Qatar</li> <li>Focus on innovative Non-antibiotic product portfolio</li> <li>India:         <ul> <li>Drive cattle business with focused approach on select therapies of mastitis, infertility and probiotics</li> </ul> </li> <li>Expand into vaccines, leveraging tie-up with IDT Biologika, Germany</li> <li>Drive the newly launched pet division in India through multiple product offerings</li> </ul>

## End to end capabilities for an integrated play



Dosage Form	
APIs	
Oral Solution	
Liquid for inhalation	
Oral Suspension	
<b>Water Soluble Powder</b>	ı
Drug Premix	
Nutritional Feed Add.	
Tablets	
Pre Filled Syringes	
Injectable	
Inj. Solution	
Inj. Suspension	
Granules for Injection	
Gases	
Aerosols	
Pour On / Spot On	

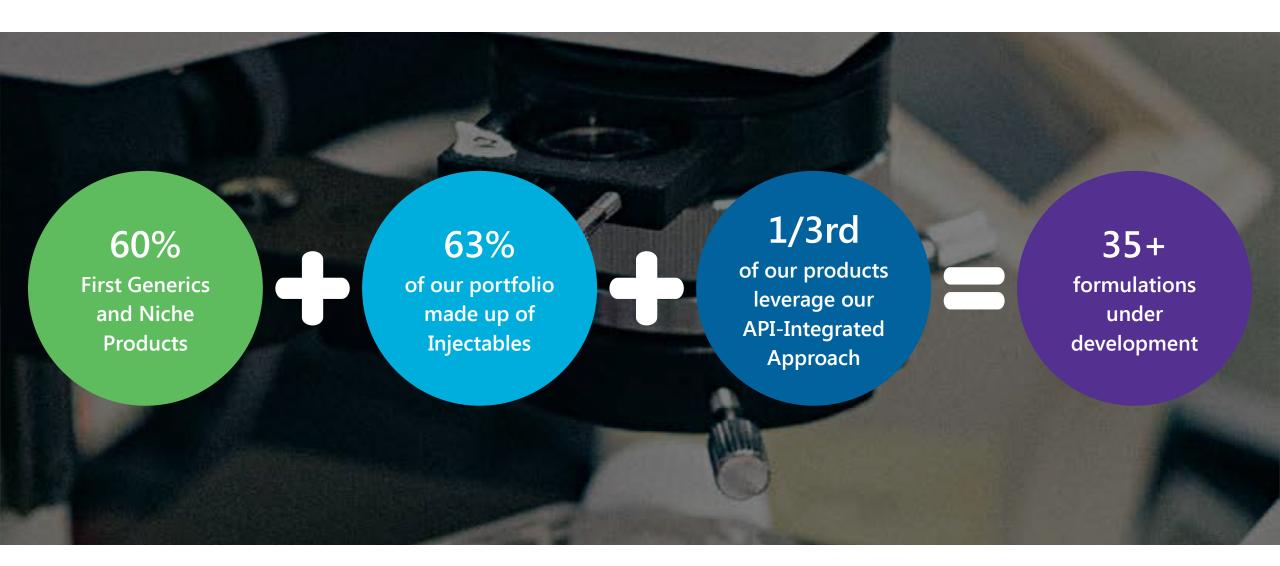
	Manufa	cturing F	acilities	
Spain	Turkey	Brazil	India	Germany
			<b>②</b>	_
<b>②</b>	<b>Ø</b>	<b>②</b>	<b>②</b>	<b>Ø</b>
<b>②</b>				
<b>Ø</b>			<b>②</b>	
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R&D Capabilities							
Spain	Turkey	India	Brazil				
		<b>②</b>					
<b>②</b>	<b>②</b>						
<b>②</b>							
<b>②</b>	<b>Ø</b>						
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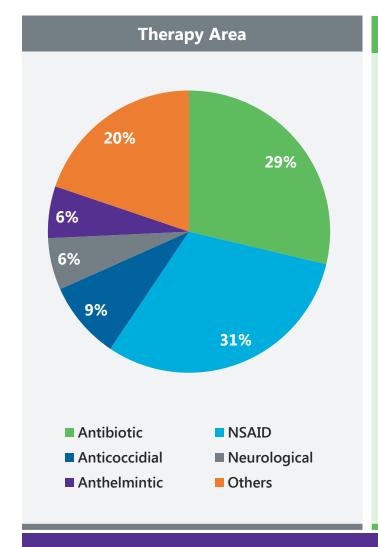
## R&D to drive value creation in FDF business

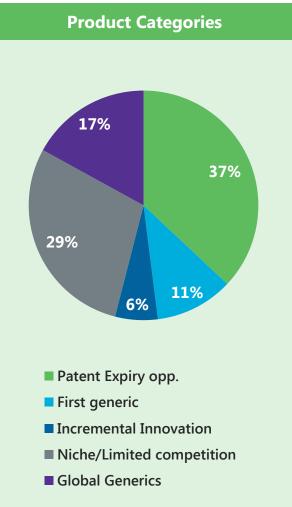


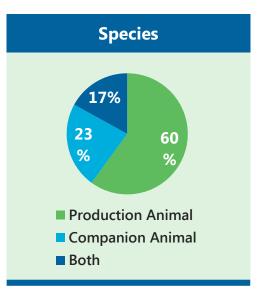


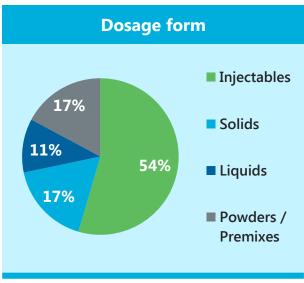
## **R&D** Pipeline











- 60% + Portfolio planned for value creation
- 80%+ Products targeted for Global markets
- 6 Products with Patent Expiry / Day One opportunity
- 1/3<sup>rd</sup> Products leverage Alivira API Integrated approach
- 80% Products with Inhouse Manufacturing

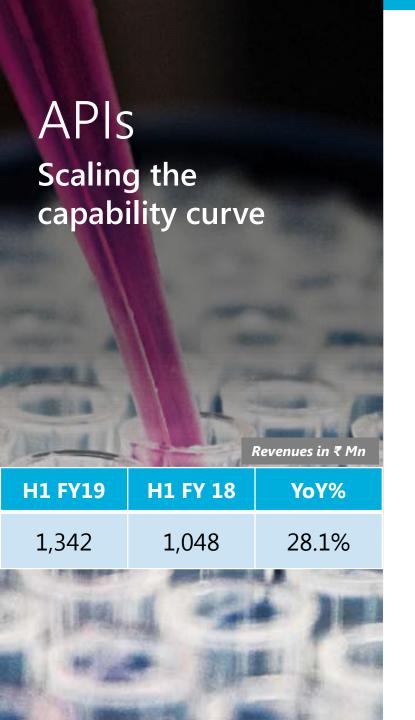






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23
Commercial
APIs

Manufacturing Facilities

24
Filings in
US and EU

14+
R&D
Pipeline

## **3X**

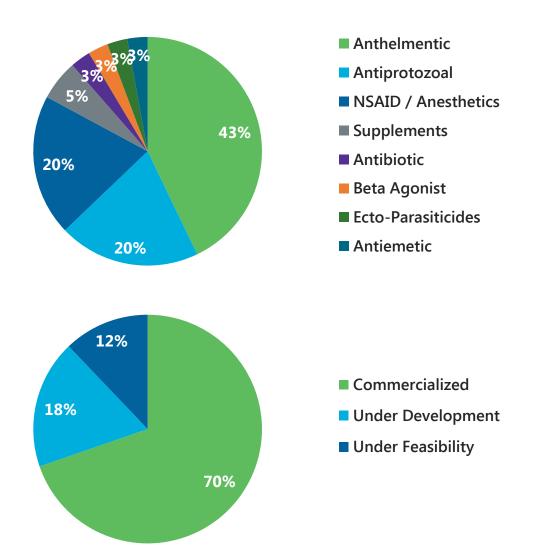
#### Growth in sales to regulated markets in 4 years

H1 FY19 Key Highlights

- Commercial supplies commenced to US, the largest animal health market
  - Largest filings amongst generic animal health companies in US
- Margin expansion through better business mix and asset utilisation
  - Deepening key customer relationships: Over 50% incremental growth came from Global Top 10 animal health companies over H1 FY16
- ✓ New product strategy around patent expiry and market scarcity

## **Comprehensive API Business**





Our dedicated USFDA approved animal health API facility at Vizag – 1st in India

#### **Business**

- Offers 23 products globally
- Long standing relationships with global Top 10 animal health companies

#### **Key Products**

- Benzimidazoles,Flunixin, Clorsulon,& Praziquantel
- R&D pipeline of 14+ products consisting Diclazuril, Ponazuril, Robenacoxib, R-Praziquantel, Tulathromycin

#### **Strategic Progression**

- Expanding portfolio into newer therapeutic segments
- Leveraging key
   existing customer
   relationships to
   expand product
   basket across
   geographies

## **USFDA Approved Veterinary API facility**













- World Class, State of the art manufacturing facility at Vizag with annual capacity of 1,000 MT
- 225kl reactor capacity with six clean rooms and multi product capabilities
- 45 acre land area with significantly enhanced capacities
   & room for further growth
- Compliant to latest EHS regulations
- USFDA approved facility for foray into United States the largest animal health market Key growth driver

Intermediates Facility: Tarapur, Maharashtra, India

## Relationship with Top 10 Global Animal Health Players – An Edge Sequent 🕸



Top 10 Animal Health Companies	Under Discussion	Under Qualification	Commercialized
Company A	2	0	4
Company B	6	4	5
Company C	4	0	4
Company D	1	1	1
Company E	4	1	4
Company F	5	3	3
Company G	1	3	5
Company H	1	1	1
Company I	4	4	3
Company J	6	2	6







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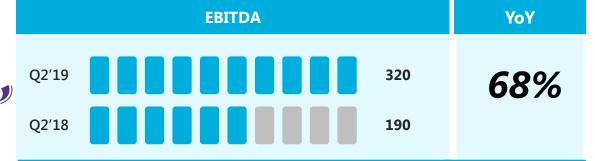
## Consistent performance over quarters



We delivered robust 27% growth in revenue & 310 basis points margin expansion driven by improved performance across all business verticals. This has resulted in 4 fold increase in profitability for the quarter.

This is the tenth consecutive quarter of consistent growth. We believe this is the result of the well defined strategy we set ourselves few years ago and our relentless focus on execution.





PAT	YoY
Q2'19 <b>152</b>	425%
Q2'18 <b>29</b>	

pta All values in ₹ Mn

## Strong performance across businesses



Revenue Distribution	Q2'19	Q2'18	YoY%	YoY% (Constant currency)
Formulations	1,777	1,449	22.7%	25.7%
Europe	902	720	25.3%	16.1%
Turkey	224	246	-8.8%	34.7%
Emerging Markets	402	279	44.0%	32.2%
LATAM	249	204	22.4%	40.2%
APIs	740	527	40.4%	28.7%
<b>Global Sales</b>	2,517	1,975	27.4%	26.5%

Revenue Distribution	H1'19	H1′18	YoY%	YoY% (Constant currency)	
Formulations	3,527	2,870	22.9%	22.3%	
Europe	1,829	1,440	27.0%	15.2%	
Turkey	467	491	-4.9%	25.4%	
Emerging Markets	776	545	42.4%	33.7%	
LATAM	456	394	15.6%	28.9%	
APIs	1,342	1,048	28.1%	18.7%	
Global Sales	4,869	3,918	24.3%	21.4%	

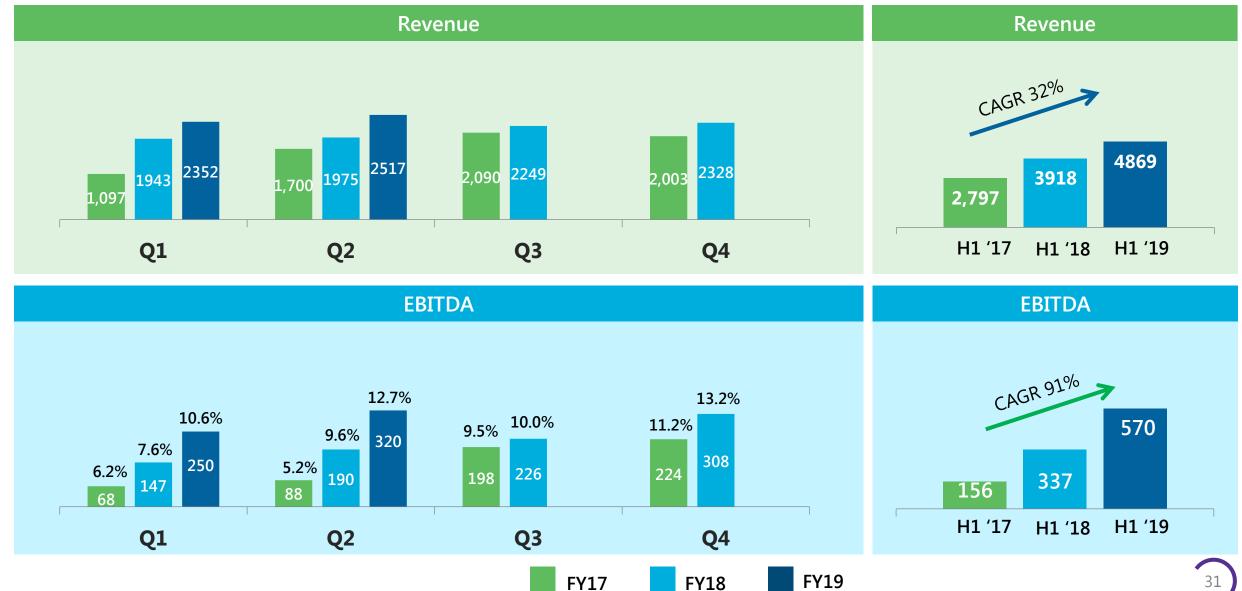
#### **Key Highlights**

#### Overall business delivered strong 27.4% growth YoY

- API business grew 40.4% strategic focus on global top 10 animal health players bearing fruit
  - Revenue contribution from global top 10 animal health players stands at 39% vs. 28% in H1 FY16
  - Well poised to capitalise on the increasing API opportunities, given the challenges in global supply chain
- Formulations business grew 22.7% significantly ahead of single digit industry growth
  - Regulated markets contribute over 50% of sales
  - Sequential improvement in Turkey post regulatory changes in Q1, on track for normalcy in H2

## Delivering consistent outcome over 10 quarters





## **Consolidated Income Statement**



All values in ₹ Mn

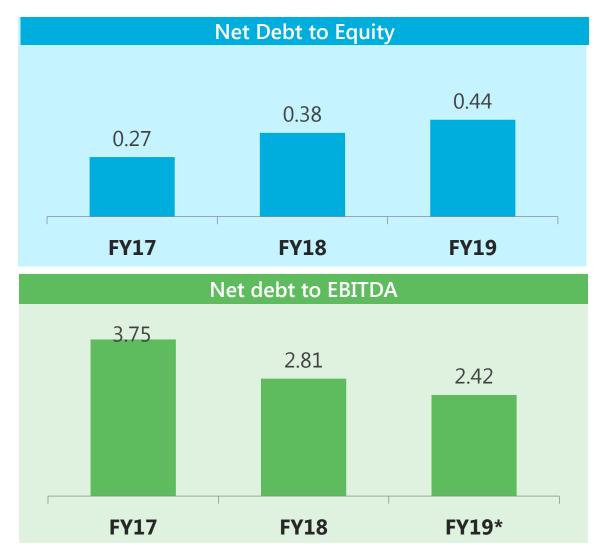
PARTICULARS	Q2'19 Unaudited	Q1'19 Unaudited	Q2'18 Unaudited	H1'19 Unaudited	H1'18 Unaudited	FY18 Audited
Revenue from Operations	2,517	2,352	1,975	4,869	3,918	8,494
Material Consumption	(1,310)	(1,264)	(1,128)	(2,576)	(2,189)	(4,625)
Gross Margin	1,207	1,086	847	2,293	1,729	3,869
%	47.9%	46.2%	42.9%	47.1%	44.1%	45.6%
Operating Expenses	(887)	(836)	(657)	(1,723)	(1,392)	(2,998)
EBITDA	320	250	190	570	337	871
%	12.7%	10.6%	9.6%	11.7%	8.6%	10.3%
Exchange Gain / (Loss)	(42)	(25)	(1)	(67)	2	(41)
Other Income	24	18	66	43	102	166
Finance Cost	(78)	(78)	(74)	(156)	(135)	(331)
Depreciation	(102)	(96)	(101)	(198)	(201)	(413)
Exceptional Items	-	-	-	-	-	(15)
Earnings Before Tax	122	69	80	191	105	237
Taxes	33	(24)	(38)	9	(58)	(135)
Minority Interest	(3)	(12)	(13)	(15)	(13)	(93)
Earnings After Tax	152	33	29	185	35	102

## **Key Balance Sheet items**



All values in ₹ Mn

Particulars	Mar-18	Sep-18	Comments
Shareholders' funds	6,476	6,254	Fair valuation of Strides / Solara shares
Minority Interest	370	416	
Borrowings	3,049	3,405	Mahad acquisition
Cash	598	648	
Investments	2,217	1,608	Fair valuation of Strides / Solara shares
Tangible Assets	2,269	2,514	Mahad and Bremer
Intangible Assets	2,671	2,905	Currency impact
Working Capital	2,486	2,446	



\*EBITDA is H1 annualised





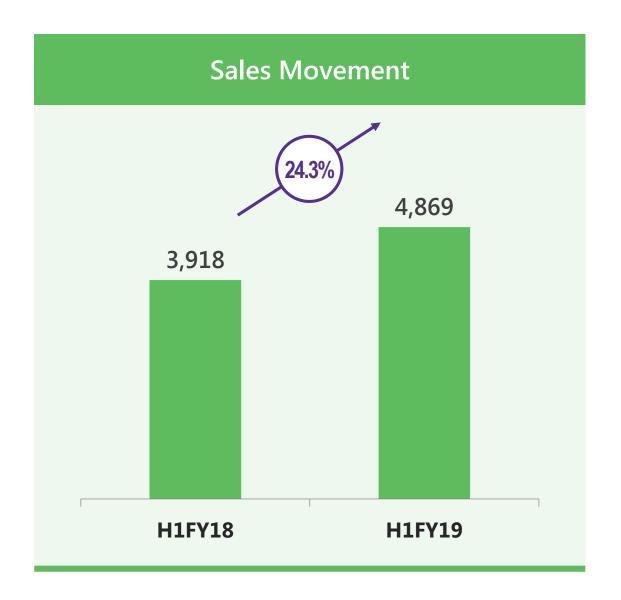


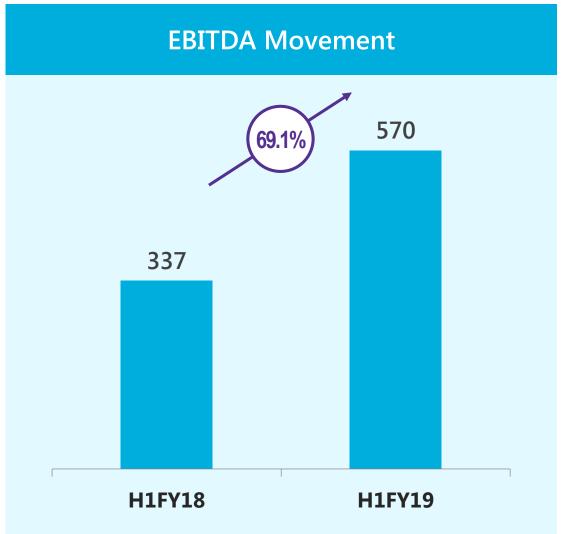
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## **Business Performance**







## Year so far...



## Bremer - Strategic acquisition

- Acquired Bremer in Q1FY19 adding injectables capability
- Addition of missing dosage form capabilities

# Turkish manufacturing unit received EU GMP approval

 With this approval, Alivira now has 4 EU GMP certified formulations manufacturing units, with one each in Turkey, Spain, Germany & India

#### **Acquired API facility at Mahad**

- Total consideration of Rs 464 Mn on an Enterprise Valuation basis
- Compliments our current manufacturing at Vizag (USFDA approved) and Tarapur (Intermediates)

#### **API**

- EIR received from USFDA for Vizag site for the recent inspection in March 2018
- 2 filings in US and 2 CEP approvals during Q1'19

## **FY19 Drivers**





#### **APIs**

- API business to accelerate, driven by commercialisation in US and Mahad
- Increasing penetration with 'Top 10' global animal health companies
- 4 new products to be validated, more filings in both US and EU
- 14+ API Pipeline



#### **Formulations**

- Maintain above industry growth across geographies
- Bremer to achieve breakeven by Q4'19
- 5 new product validations planned (including 2 injectables)
- 35+ FDF Pipeline



#### **H1** Performance

- Revenue up 27% YoY
- EBITDA expansion 310 bps YoY
- Regulatory tailwinds aiding near to mid term momentum in API sales
- Regulated and key EMs driving formulation growth



FY 19

Business on track to achieve FY19 objectives

- 200 bps margin expansion
- High-teen revenue growth







More than Pharma

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# Takeaway- Aiming to become a Top 10 Animal Health Company by FY22



#### **New Markets**



- Expand presence in Top 10 EU markets
- Enter new Emerging markets across MENA, South East Asia & LATAM
- Exploring North
   American opportunity
- Building the Global ALIVIRA Brand

#### **New Segments**



- Commercialization of Formulations R&D pipeline across EU
- Expand range of Phyto-solutions and probiotics product & technical offering
- Focus on R&D in new high value APIs

# New Capabilities



- Expand EU manufacturing capability-
  - spot on
  - Pour on &
  - Injectables
- Investing heavily into R&D to forward integrate APIs into formulations.



Establish Alivira
as a top 10 global
animal health
company by
FY2022







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