



Contract Development and Manufacturing Organization

On a global scale

www.aenova-group.com



Contract Development and Manufacturing.

YOUR EXPERTS FOR CDMO SERVICES...

Aenova's contract development and manufacturing services cover the entire value chain from the development to commercial production of all common dosage forms in pharmaceuticals and dietary supplements for human and animal health products.

Our high standards of quality, innovative technologies, and clear vision for the future has made Aenova a global market leader in business-to-business services.

Historical Growth

Established in the Market for nearly 100 years
& as Aenova Group since 2008

Merger

of Dragenopharm and SWISS CAPS AG to form the Aenova Group

Bridgepoint Capital holds majority of the Aenova Group

Opening of a new high-tech laboratory in Tittmoning (GER)

2010

Founding Competence Centers:

Softgel technology
Kirchberg (CH)

Solid dose technology
Tittmoning (GER)

Packaging technology
Bad Aibling (GER)

2011

Investment & Expansion

high volume solid dose production plant Tittmoning (GER)

2012

Acquisition

Aenova Group by BC Partners

Temmler Group

Euro Vital Pharma

Investment & Expansion

Effervescent production facility Bad Aibling (GER)





... ON A GLOBAL SCALE

With a turnover of approximately 750 million Euros, the Aenova Group is a leading CDMO worldwide and the number #1 choice in Europe. Our significant multinational investment in development and manufacturing capacity has also resulted in new technologies and innovations to meet your evolving product requirements.

Our focus on high quality standards, time-to-market requirements, and experience makes Aenova the partner of choice for contract development and manufacturing of pharmaceutical and dietary supplements.

2013

Acquisition

Haupt Pharma adding 8 additional manufacturing sites

InterPharm Arzneimitte

Founding Competence Centers

Ointments, creams and liquids
Feldkirchen (GER)

2014

Adding Competence Centers:

Cytotoxics
Regensburg (GER)
Wolfratshausen (GER)

Hormones
Münster (GER)

Sterile
Gronau (GER)
Wolfratshausen (GER)

Beta-Lactam Antibiotics
Latina (IT)

Packaging
Greensboro (USA)

2017

Serialization

Started the global implementation project that will lead to more than 60 lines

2018

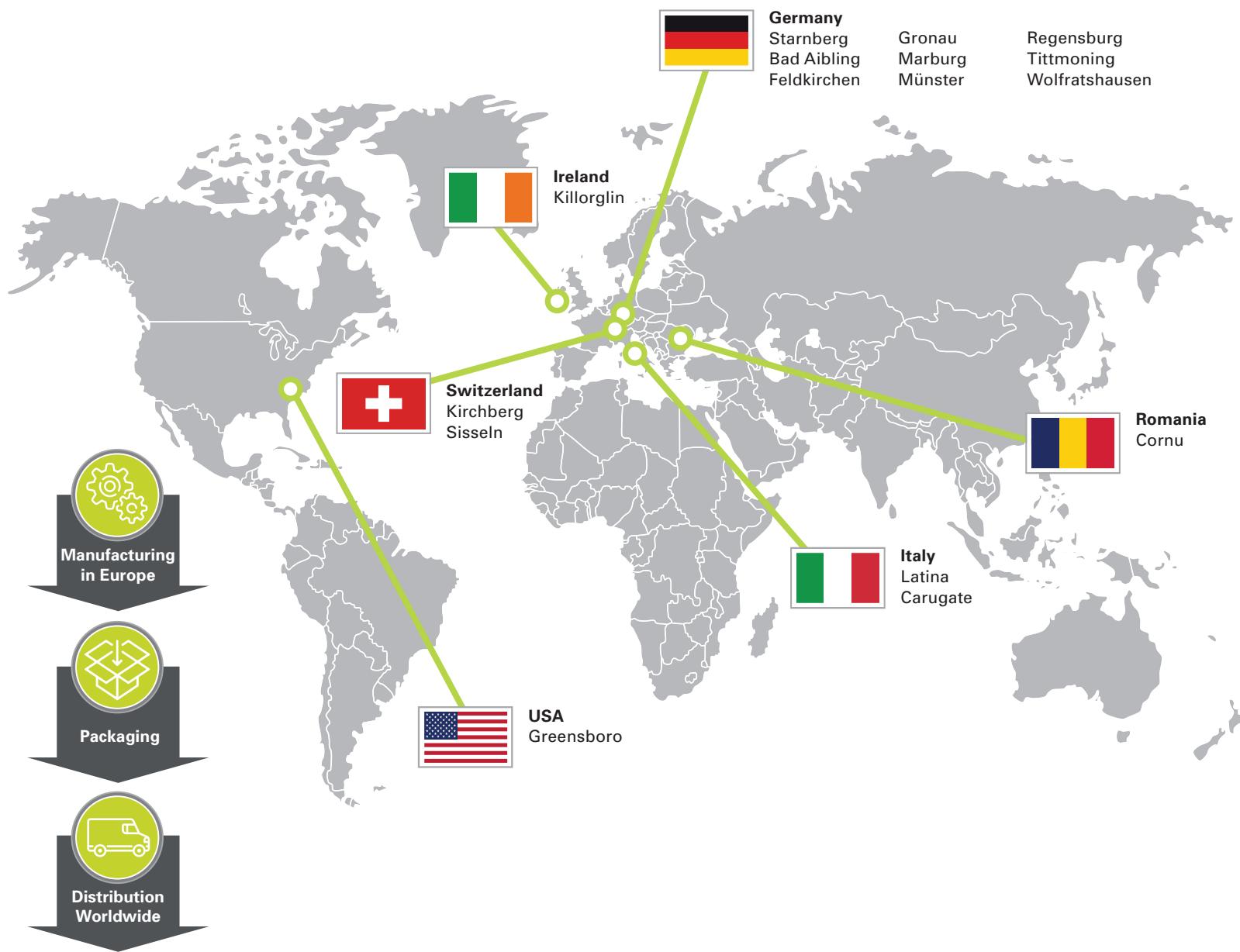
Softgel Encapsulation expansion

Expansion of softgel capacity completed by beginning 2019
Cornu (ROM)



Global Manufacturing Network

Aenova Group's headquarters are located in Starnberg, near Munich, Germany. With more than 4,300 employees and 15 manufacturing sites worldwide, Aenova has a growing global presence.





Full-Service Portfolio

With our unique full-service portfolio, we support our customers from development through to logistics, and at every step along the way.

Development	Manufacturing & Packaging	Analytical Services
<ul style="list-style-type: none">Formulation & process developmentAnalytical testing of raw materials, intermediates, finished productsScale-up studiesProduct transfersInnovative technologiesManufacturing process developmentGalenical and analytical developmentStability testing	<ul style="list-style-type: none">Contract manufacturing services from clinical trial to commercial scaleState-of-the-art technologies to ensure quality and the highest efficiency for all process stages at all sitesPrimary and secondary packaging for all dosage forms manufactured	<ul style="list-style-type: none">Comprehensive solutionsExamination of APIs, excipients and finished productsDevelopment and validation of methodsMethod transferProduct release
Supply Chain Management	Service & Support	
<ul style="list-style-type: none">Innovative and integrated supply chain solutionsProcess control / planningAPI sourcingcGMP StorageDistribution	<ul style="list-style-type: none">Expert consultation and support with<ul style="list-style-type: none">- Raw materials- Manufacturing processes- Provision of documents for product dossiers- Project management- Process optimization- Integrated security of supply	

Our Quality Commitment

- Aenova operates a fully integrated global quality function with an independent and direct reporting line to the CEO.
- All sites hold licenses for manufacturing of pharmaceutical products issued by relevant authorities.
- Approvals include, but are not limited to: EMA, FDA, Health Canada, Anvisa, TGA, SFDA (Saudi Arabia), K-FDA (Korea), MoH Turkey, PMDA (Japan), Investigational Medicinal products, Narcotic License, Medical Devices, BRC, ISO 22000, NSF, ISF, INFANCA (Halal), ISO 14001, ISO 9001, OHSAS 18001.



TECHNOLOGIES AND DOSAGE FORMS



Tablets

- Tablets
- Film-Coated Tablets
- Sugar-Coated Tablets/Dragées



Softgel Capsules

- Gelatin Capsules
- VegaGels® (vegetarian)



Hard Capsules

- Gelatin Capsules
- Vegetarian Capsules



Effervescent Products

- Granules
- Tablets



Powders

- Granules
- Pellets

MUPS
(Multiple Unit Pellet System) based dosage form designs for:



Modified Release



Taste Masking



Orally Dispersible



Fixed Dose Combinations



Liquids

- Pure or Colloidal Solutions



Semi-solids

- Emulsions, Suspensions
- Ointments
- Gels



Solubles

- Effervescents
- Granules
- Powders



Suppositories

- Rectal suppositories
- Vaginal ovules



Injectables

- Lyophilization
- Aseptic manufacturing
- Terminal sterilization

Specialty and Containment Production



Cytotoxics

- Solid dose
- Injectables



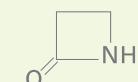
High Potency

- Solid dose
- Injectables



Hormones

- Solid dose



Beta-Lactam Antibiotics

- Tablets
- Powders
- Suspensions
- Injectables



Animal Health

- Solids
- Intramammary Syringes
- Injectables
- Liquids
- Semi-solids
- Parasiticides

PACKAGING SERVICES



Solids

- Blisters
- Bottles
- Sachets



Semi-solids

- Tubes (aluminum, plastic)
- Jars



Liquids

- Bottles
- Applicators



Injectables

- Ampoules
- Vials
- Syringes/Injectors



Serialization

- Traceability
- Aggregation



Serialization

SUPPLY CHAIN SECURITY FROM MANUFACTURE TO CONSUMER

GS1 GLOBAL TRACEABILITY STANDARD

Aenova launched serialization services in 2014 for support of the Chinese market requirements (Over 20 packs serialized & aggregated to date) and over time has expanded programs to support with technology and experience the implementation in the United States in November 2018 and for Europe in 2019.

A corporate wide project was coordinated for the implementation at 12 Aenova manufacturing sites to install and qualify traceability and aggregation technology on more than 65 packaging lines to meet global requirements.

AENOVA IS HERE TO HELP YOUR COMPANY WITH THIS CHALLENGE.

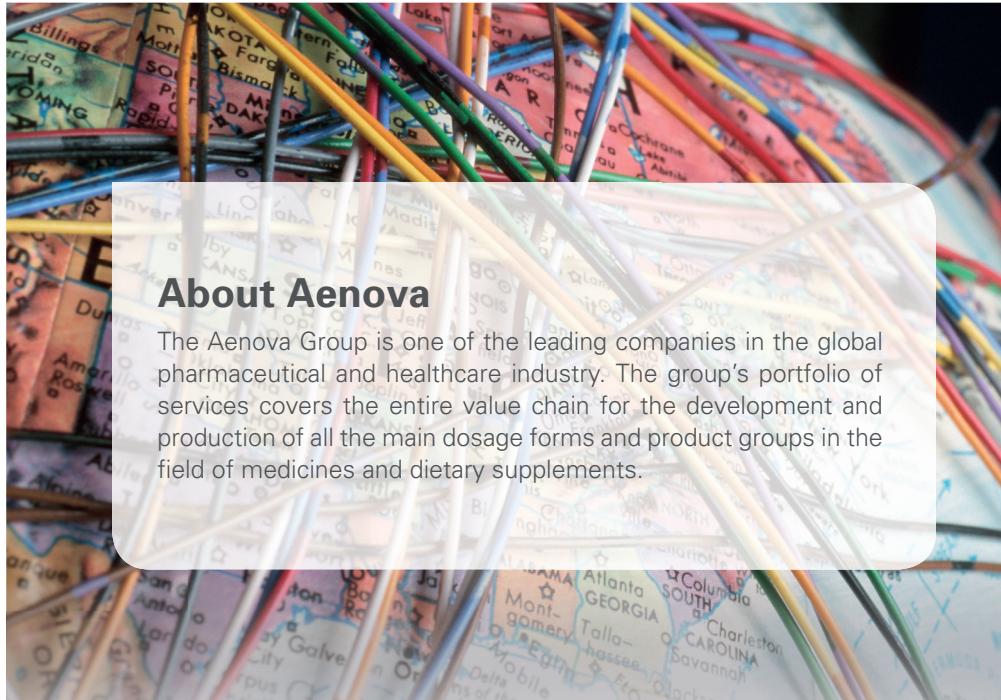
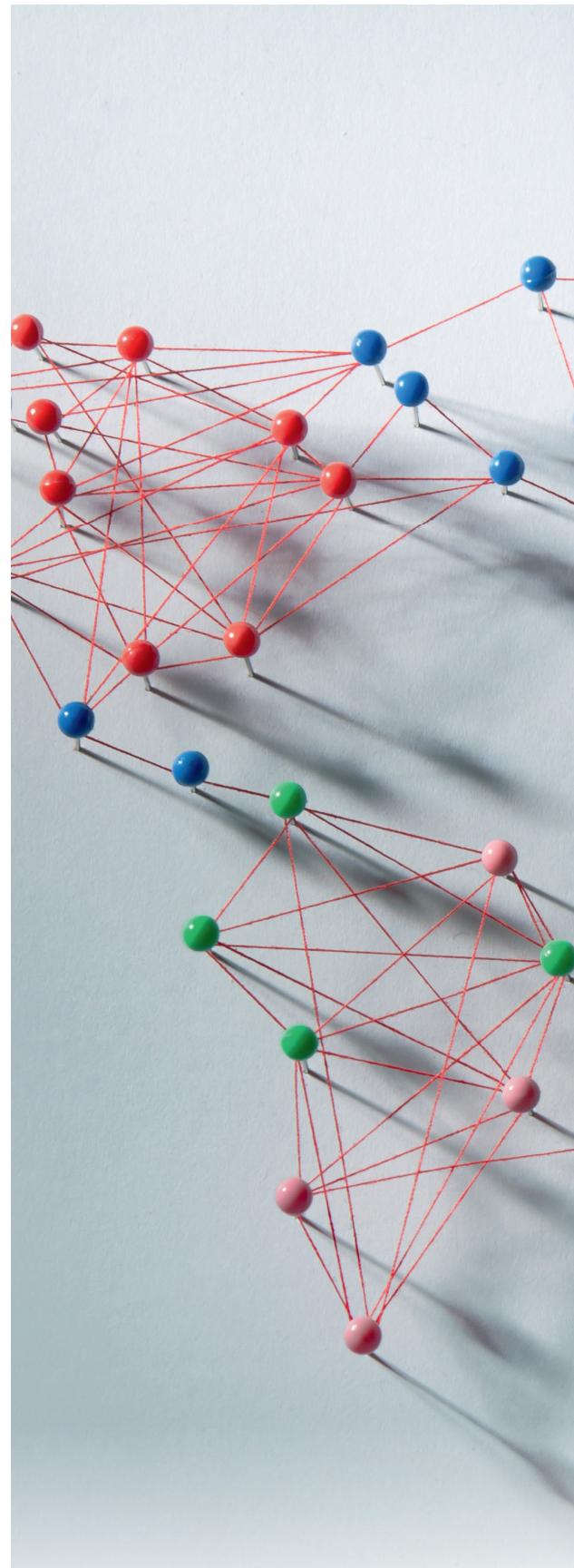
We can help you reduce the time and the cost to comply with these new regulations, with serialization services that are flexible enough to meet your company needs.

We provide a complete solution for our customers to assure that you meet the new serialization requirements on time and cost effectively.

PROVIDING
SERIALIZATION
SERVICES

SINCE
2014





About Aenova

The Aenova Group is one of the leading companies in the global pharmaceutical and healthcare industry. The group's portfolio of services covers the entire value chain for the development and production of all the main dosage forms and product groups in the field of medicines and dietary supplements.

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