



World Bio Markets

10-11 MAY 2023, FOKKER TERMINAL, THE HAGUE

Successfully Scaling-up Biofabrication of Silk Proteins



AMSilk at a glance: a leader in biofabricated silk protein materials



Who we are AMSilk is the world's first industrial supplier of smart biofabricated materials based on silk proteins for a variety of applications.

Our vision Making smart biotech materials for everyday life.

Our ambition AMSilk bridges the opposites between performance and nature.

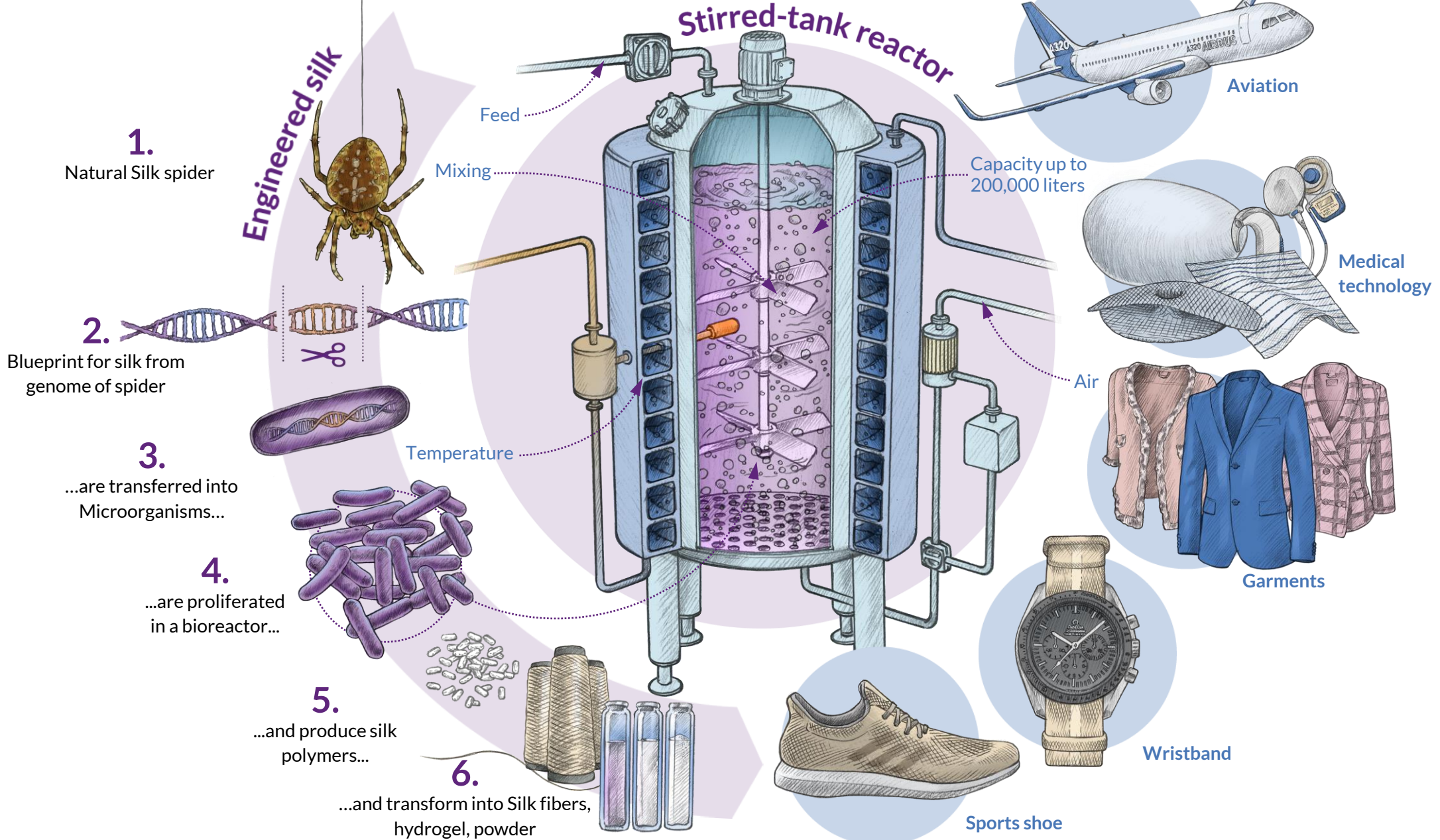
AMSilk believes that nature has all the answers

- The founders of AMSilk started with the idea to make the spider thread **available in industrial quantities**
- Spider silk is one of the **most fascinating materials** on earth:
 - ✓ Incredibly **light and thin**
 - ✓ Durable two and a half times **stronger than steel**
 - ✓ **Highly elastic**
 - ✓ **Heat-resistant**
 - ✓ **Biocompatible**- always used for medical purpose
 - ✓ **Moisture management**: absorbs up to 35% humidity



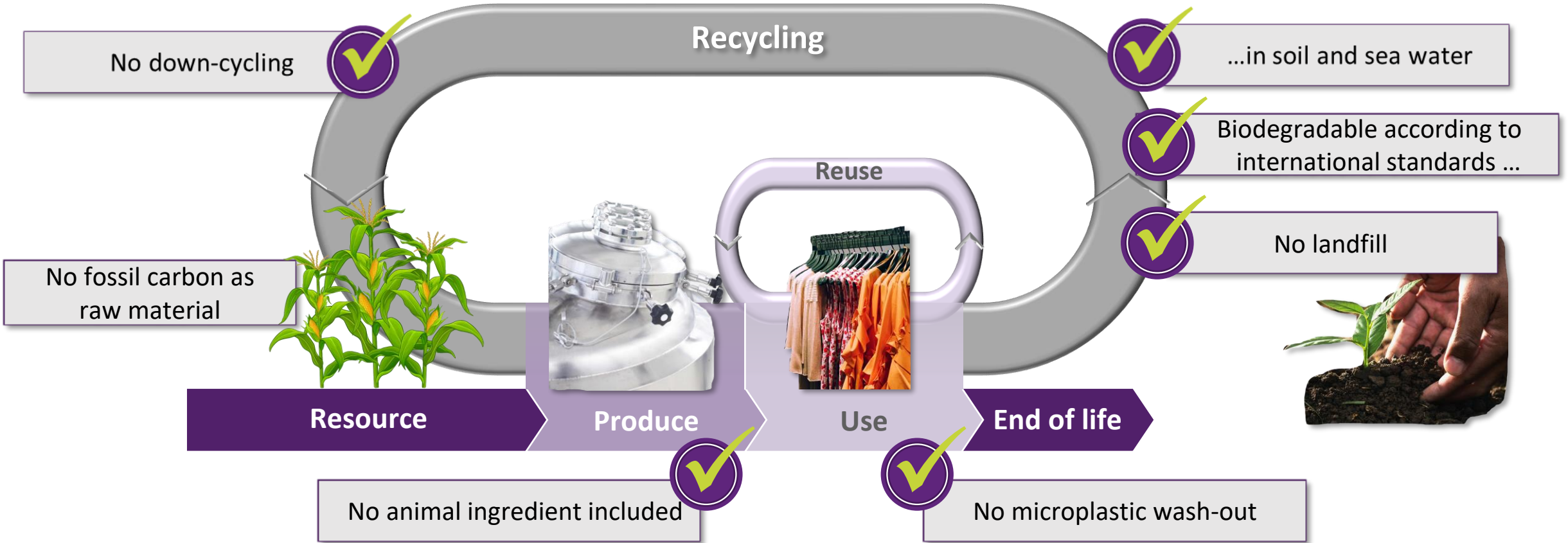
Complex molecular structure and unique properties make spider silk a holy grail material sciences

AMSilk unique high-tech biofabrication





AMSilk's proteins are the only material known that can tick all boxes

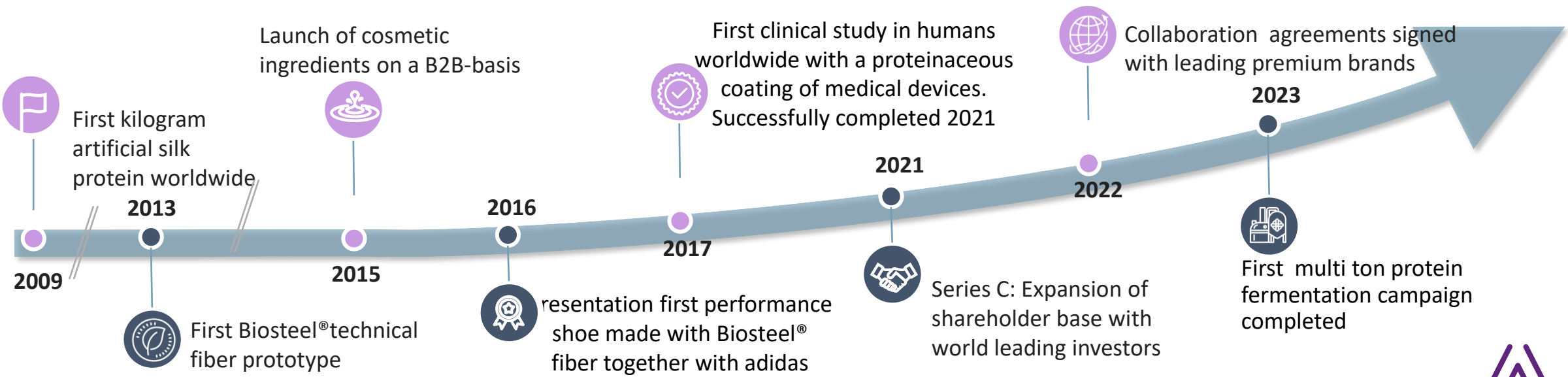


Our bio-fabricated silk proteins solve the world's challenges

AMSilk successful trajectory towards growth

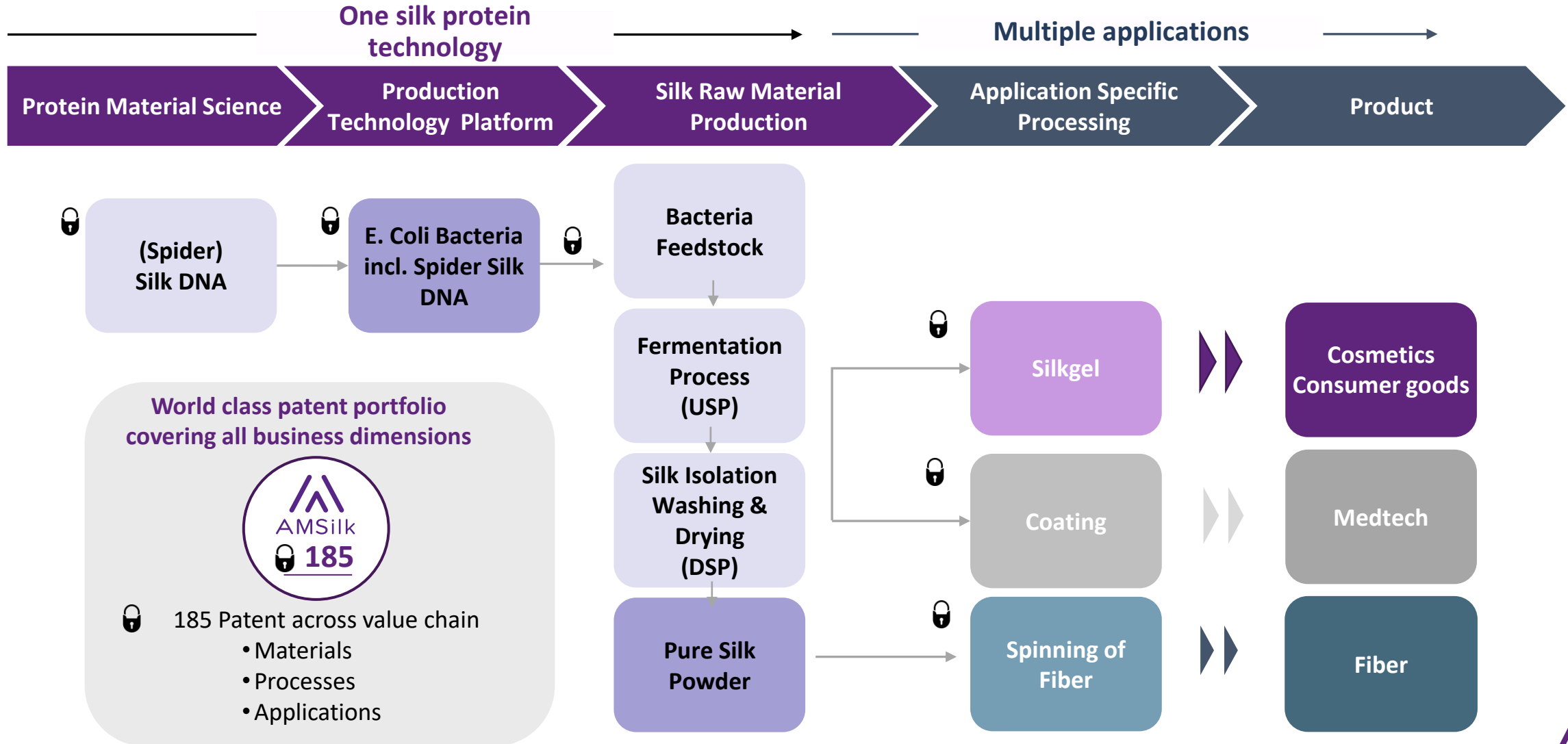


- 14+ Years of R&D**
- 185+ Patent families**
- €54m Series C funding**
- Applications for textiles, FMCG, MedTech**
- Collaboration with world's leading premium brands**
- 80+ Employees**
- Industrial scale partners**





AMSilk's silk protein technology is delivering a broad range of end applications



AMSilk turns man-made proteins into silk formulations



Silk Powder



Silk Gels



Sprayable Formulations





Silk formulations are converted into industrial fibers and yarns

Standard textile equipment

for production of

thick and super resistant ...

...to ultra fine silk yarns



Cosmetics – Givaudan since 2020 brought more than 100 consumer products based on AMSilk's spider silk technology to the market



Hair care

- Silky shine & touch
- Volume effect
- Anti-splitting
- Repair



Skin care

- Breathable protection
- Second skin effect
- Prevent bacterial adhesion



Fragrances

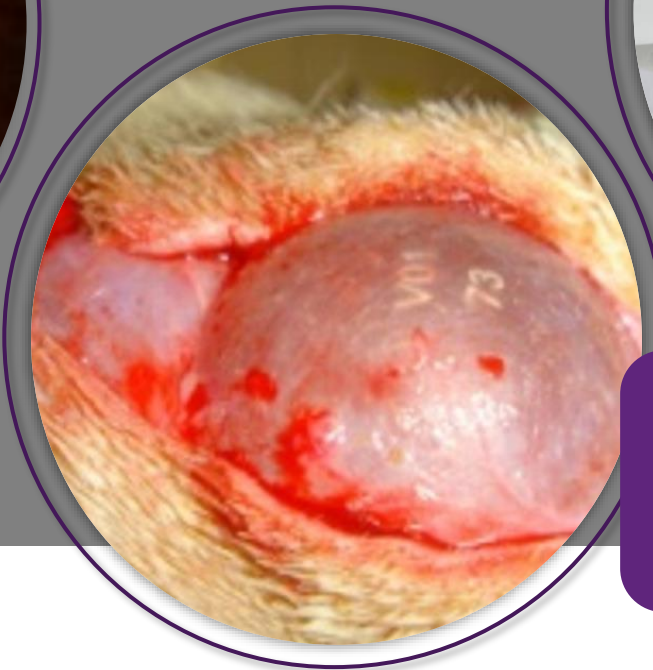
- Long lasting effect
- Fixation effect
- Encapsulation

Medtech – silk coating can reduce post surgery complications. Safety of the medical device is proven in lab tests, animal tests and successfully clinical study in Europe

Pictures from test in rodents



Left : Uncoated implant with tissue adherence
Above : thick capsule formation significant around implant site



Left: Coated implant with transparent, thin capsule,
Above: AMSilk coated implants



Preventing biofilm



Reduced capsula fibrosis



Reduced inflamation



AMSilk offers unbelievable broad fiber performance characteristics from Biosteel to Ultrafine to deliver benefit to our customers in numerous products



Ω
OMEGA

- Accessories**
- Biosteel long life
 - Silky hand feeling
 - Skin friendly
 - Plastic free
 - Hightech fascination



K E R I N G

- Luxury Textiles**
- Finer than mulberry silk
 - Consistent quality
 - Exclusive
 - Care - Washable
 - Cruelty free - vegan
 - Supply safety



Mercedes-Benz

- Mobility**
- Green Luxury
 - Reliable and durable
 - Clean (bacteriostatic)
 - Petroleum free

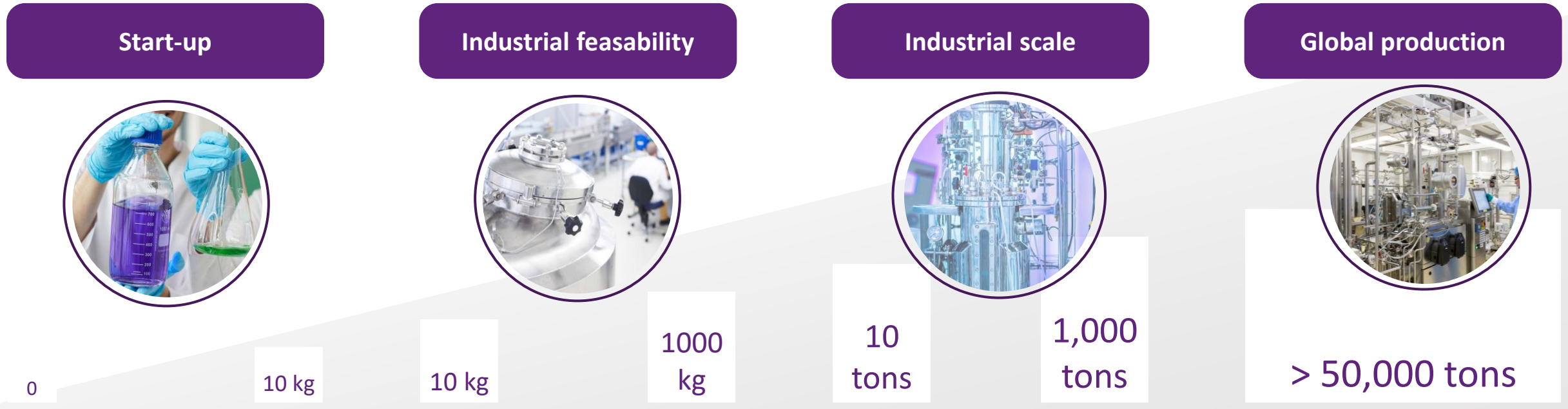


adidas

- Sportswear**
- Biosteel light and strong
 - Wear comfort
 - Moisture managing
 - No microplastics
 - Recyclable



Proof of industrial large-scale protein production in tons/years



Breakthrough invention, best in class IP portfolio

Scouting across industries

Scale-up partners

Expansion outside of Europe



2008 - 2014

2015 - 2021

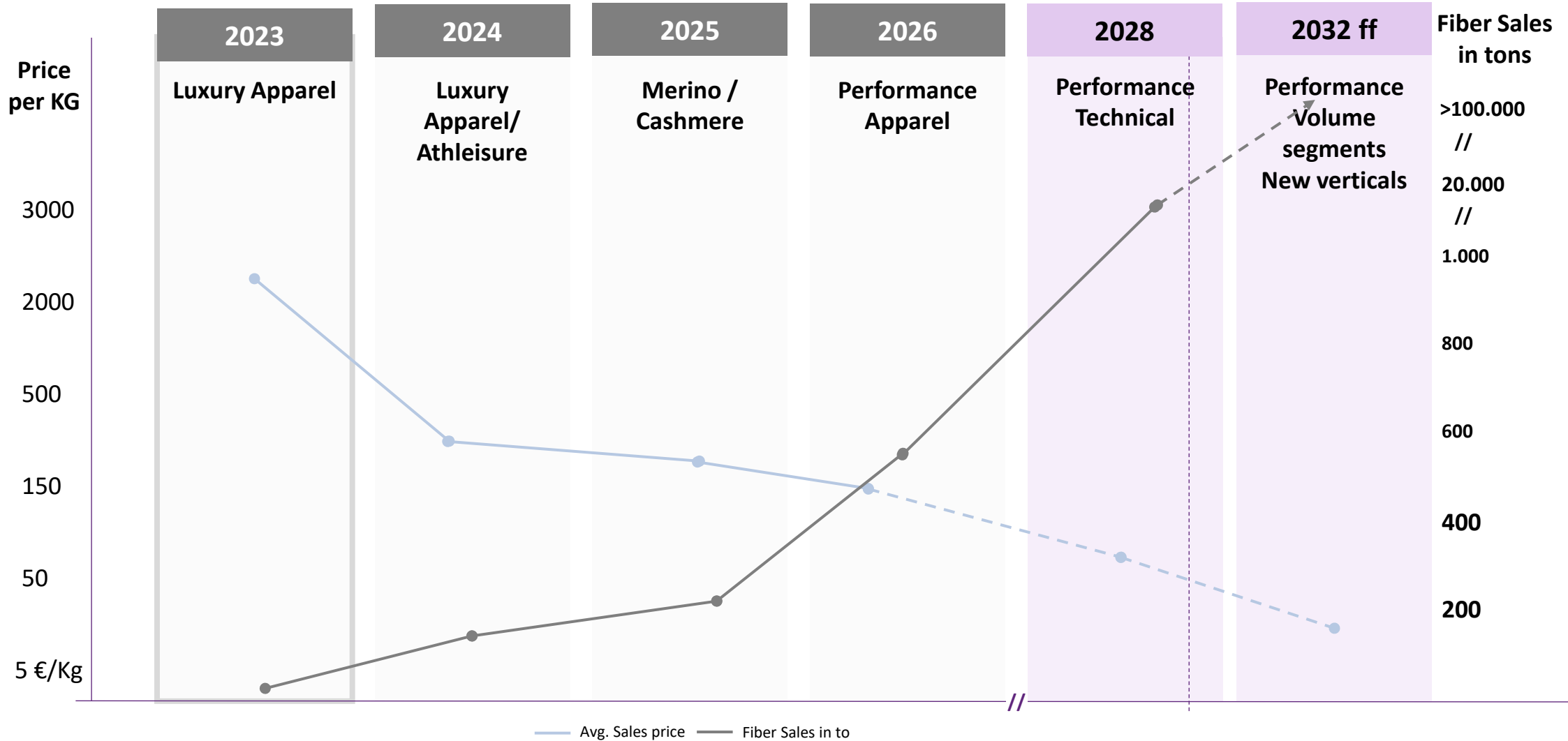
2022 - 2025

2026 ff





AMSilk scale up: - initial focus on luxury market supports profitability – Win with technology creates competitiveness into volume markets



Note: Illustration not true to scale



AMSilk story in a nutshell



1. Game changing products bridging the opposites
2. >185 patents/applications across value chain
3. Collaboration agreements with world's leading premium brands
4. Proof of industrial large-scale protein production in tons per month
5. Experienced management committed to delivering full market potential
6. World class shareholder and industrial partner portfolio



The information provided in this presentation contains forward-looking statements. These statements reflect the current views, expectations and assumptions of the management of AMSilk AG and are based on information currently available to management. Forward-looking statements are not guarantees of future performance and involve known and unknown risks and uncertainties. Actual future results and developments concerning AMSilk GmbH may therefore differ materially from the expectations and assumptions expressed herein due to various factors. This presentation is not an offer to buy products or services.

AMSilk GmbH Anna-Sigmund-Str. 1-3 82061 Neuried / Munich tel. +49 89 5795393-0 info@amsilk.com





Making smart biotech materials for everyday life