

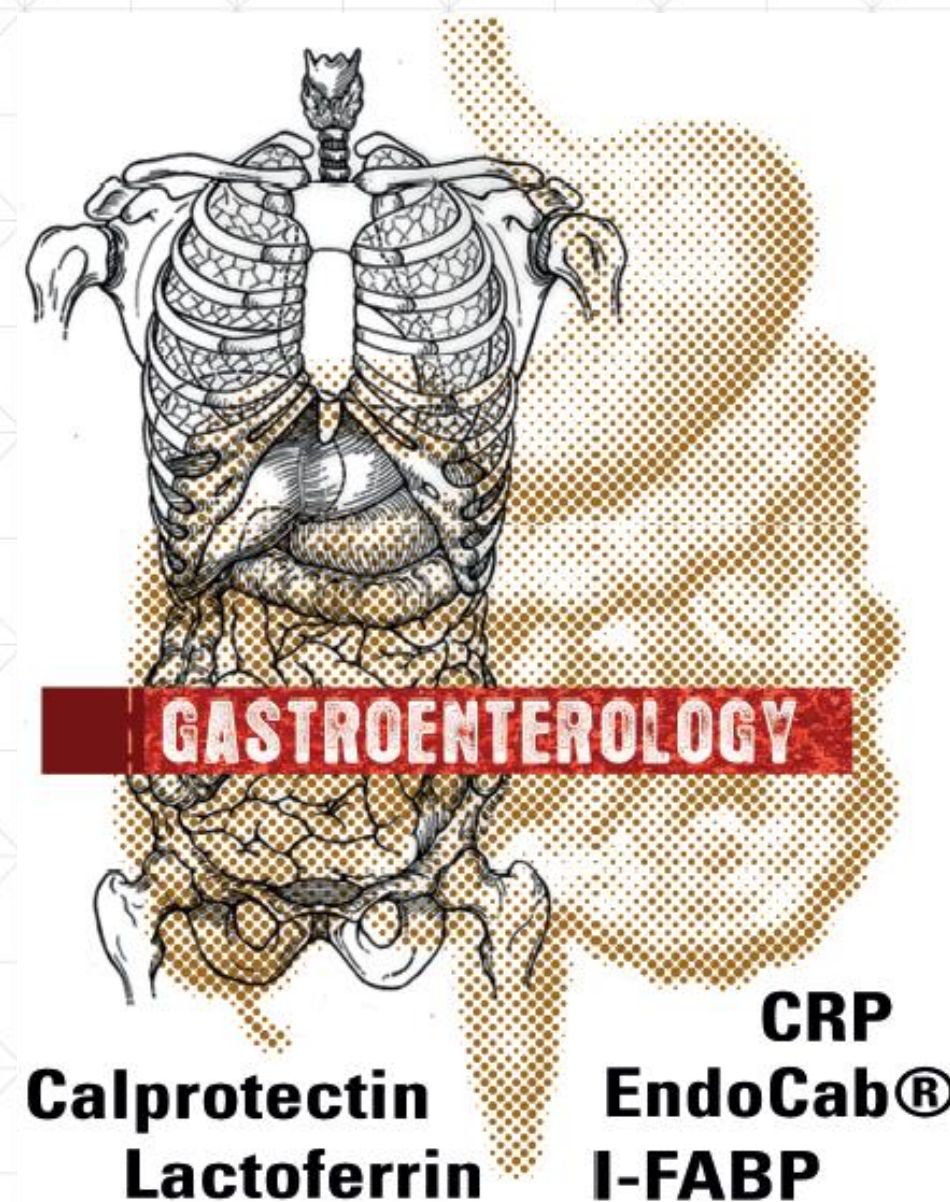
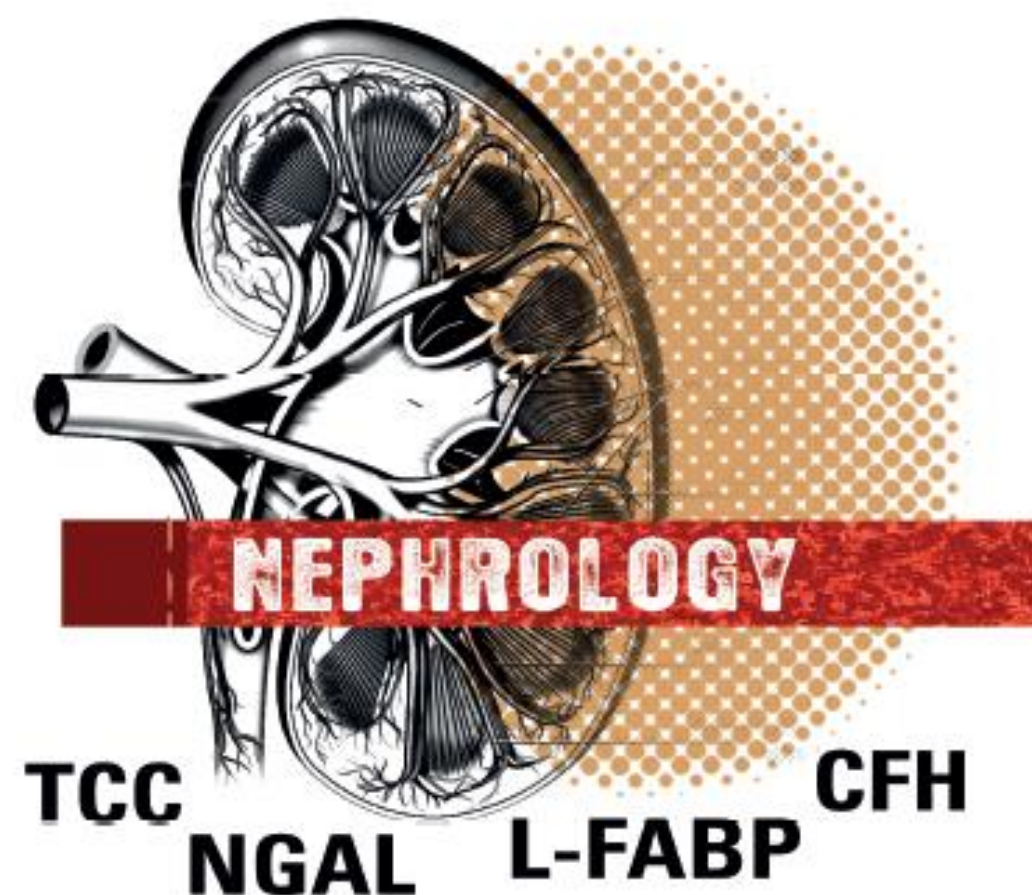
The art of quality assays

bringing innate immunity to the **next level**

Hycult Biotech

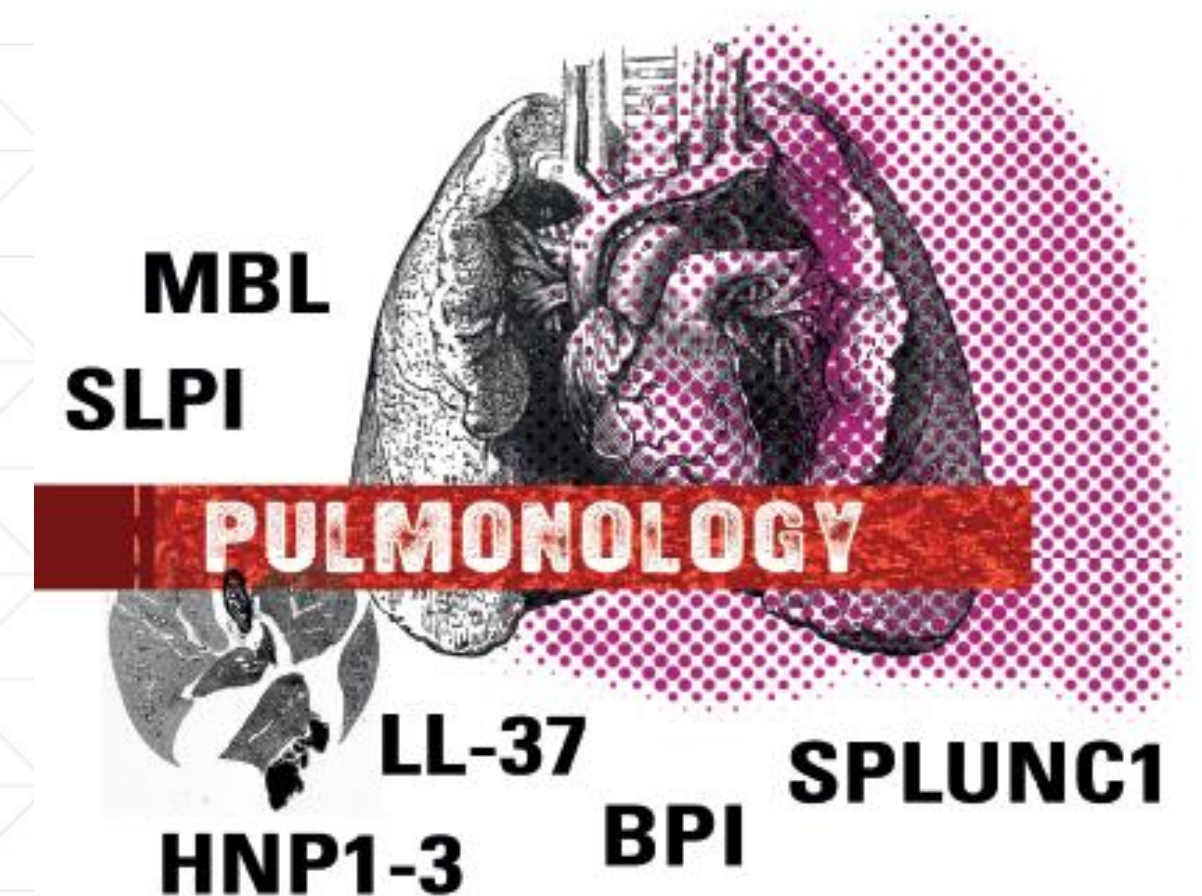
- Experienced developer and manufacturer of research reagents.
- Immunoassay development according to IVD standards
- Focus areas: innate immunity, inflammation and related fields

Complement



Mucosal

AMPs



Hycult Biotech

- Founded in 1994 in Uden and privately owned
- +40 distributors worldwide
- Sales office in USA
- Global sales only 2% home market
- 30 skilled professionals (8 at R&D, 4 at CO)
- Focus: **Innate Immunity**



Hycult Biotech

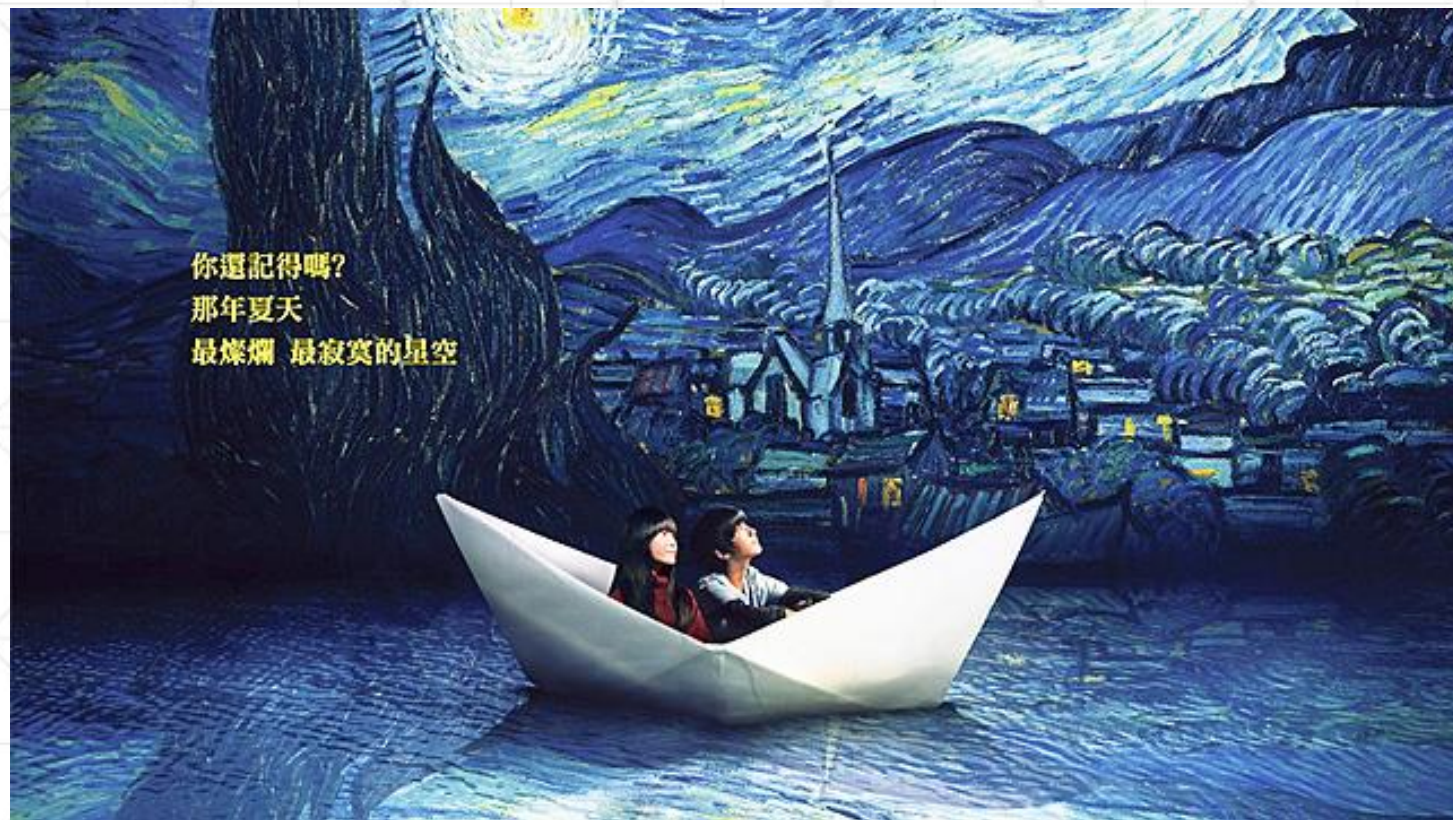
- 1000+ products
 - Assays ~75 RUO
 - Monoclonal antibodies
 - Polyclonal antibodies
 - Proteins and peptides

~800 different antibodies
- Applications are validated in-house for each batch
- kits are validated/optimized with relevant sample material
- ISO 13485 certified
- 2018: Good Manufacturing Practice (GMP)
- 2019: acquisition of Biocult, gram scale antibody production



What is a quality assay ?

The Art of Quality Assays



The Art of Quality Assays

Idea

Development

Production

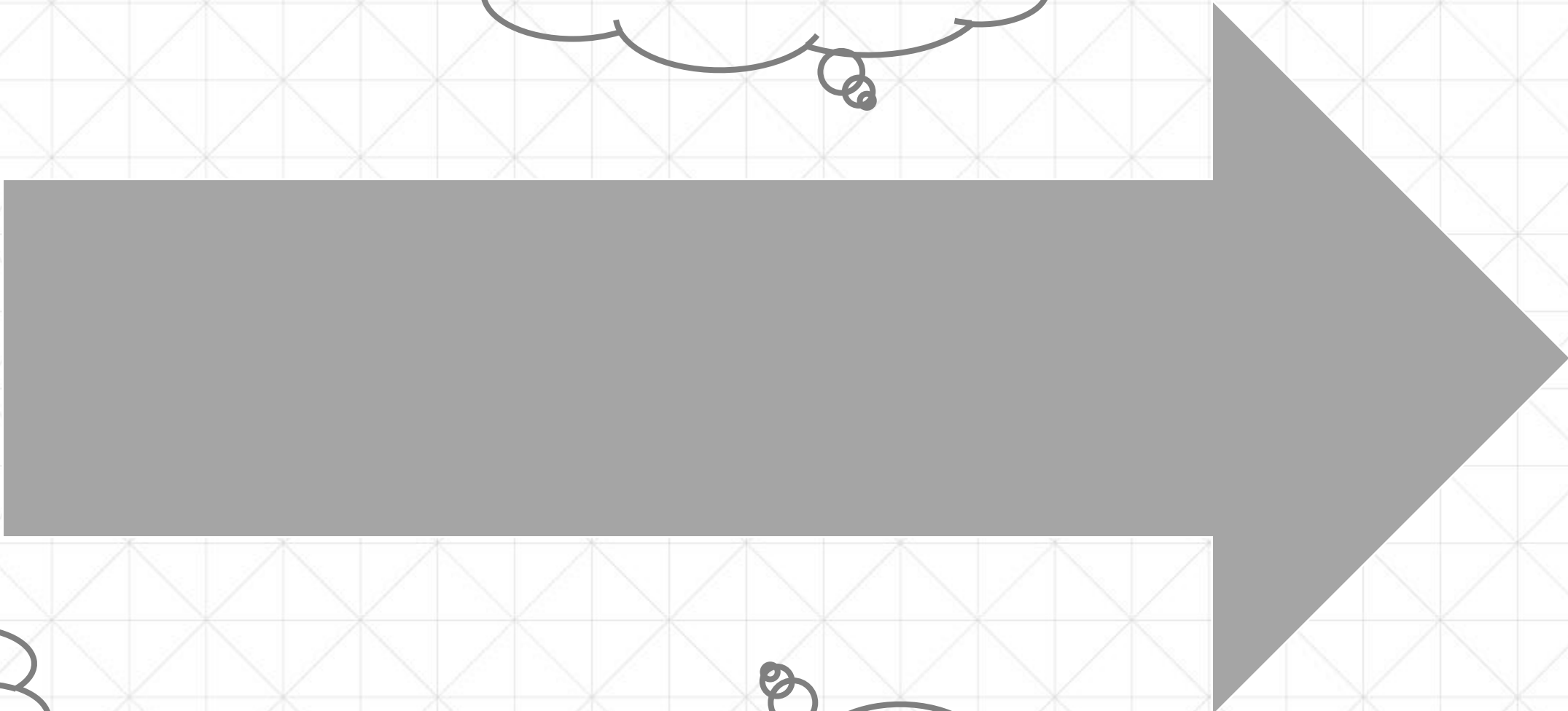


IDEA: Collaborations



University/start-up

Standardized production?



Industry

Quality control?

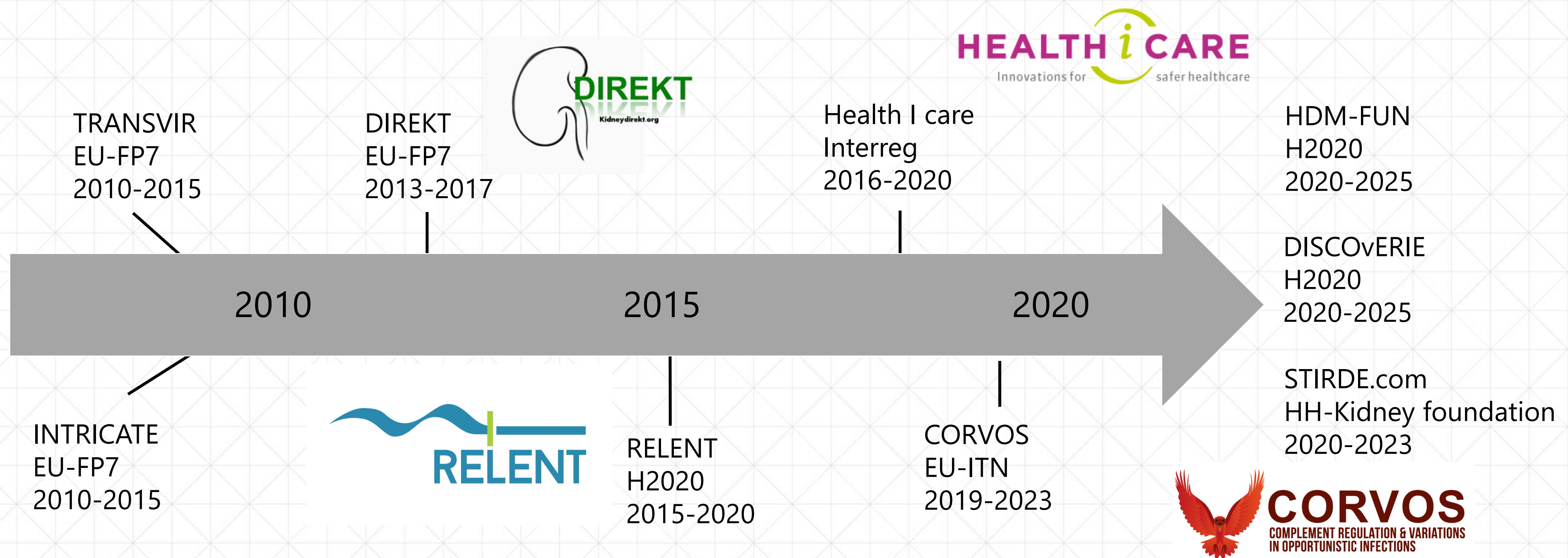
Upscaling?

Sales?

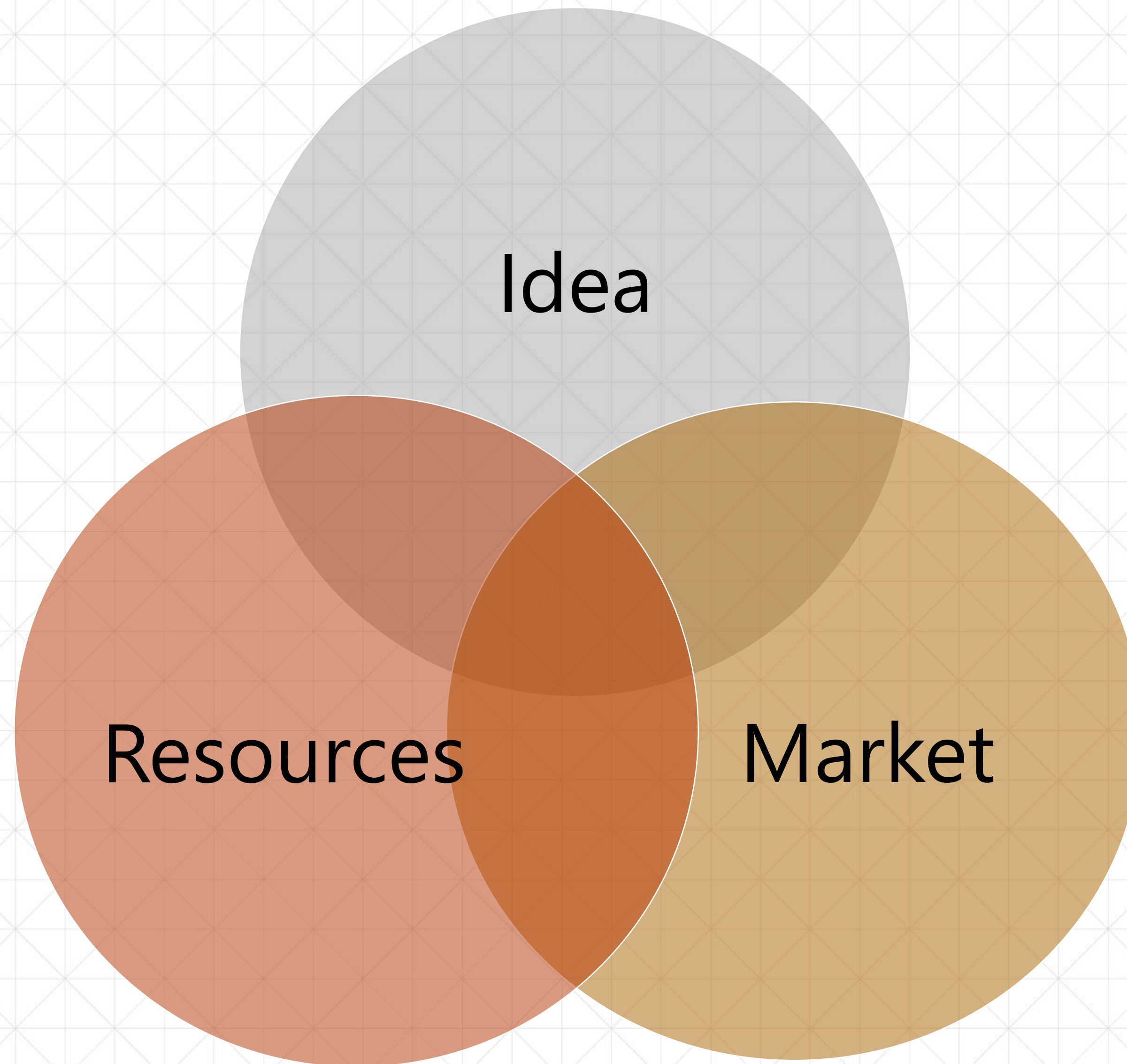


IDEA: collaborations

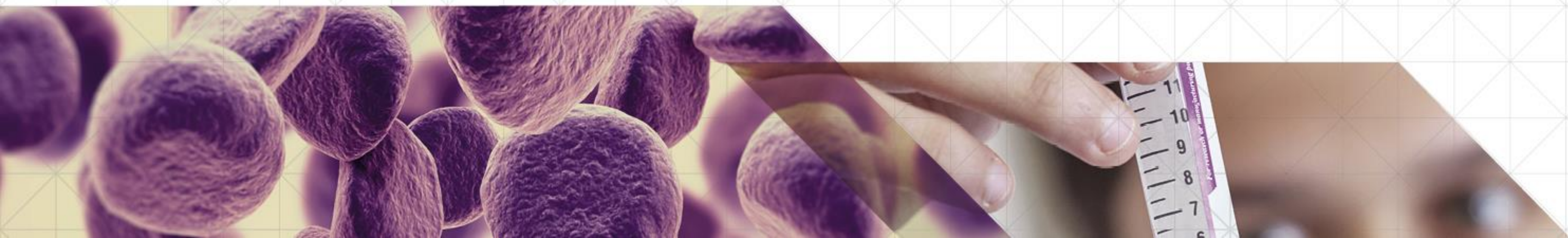
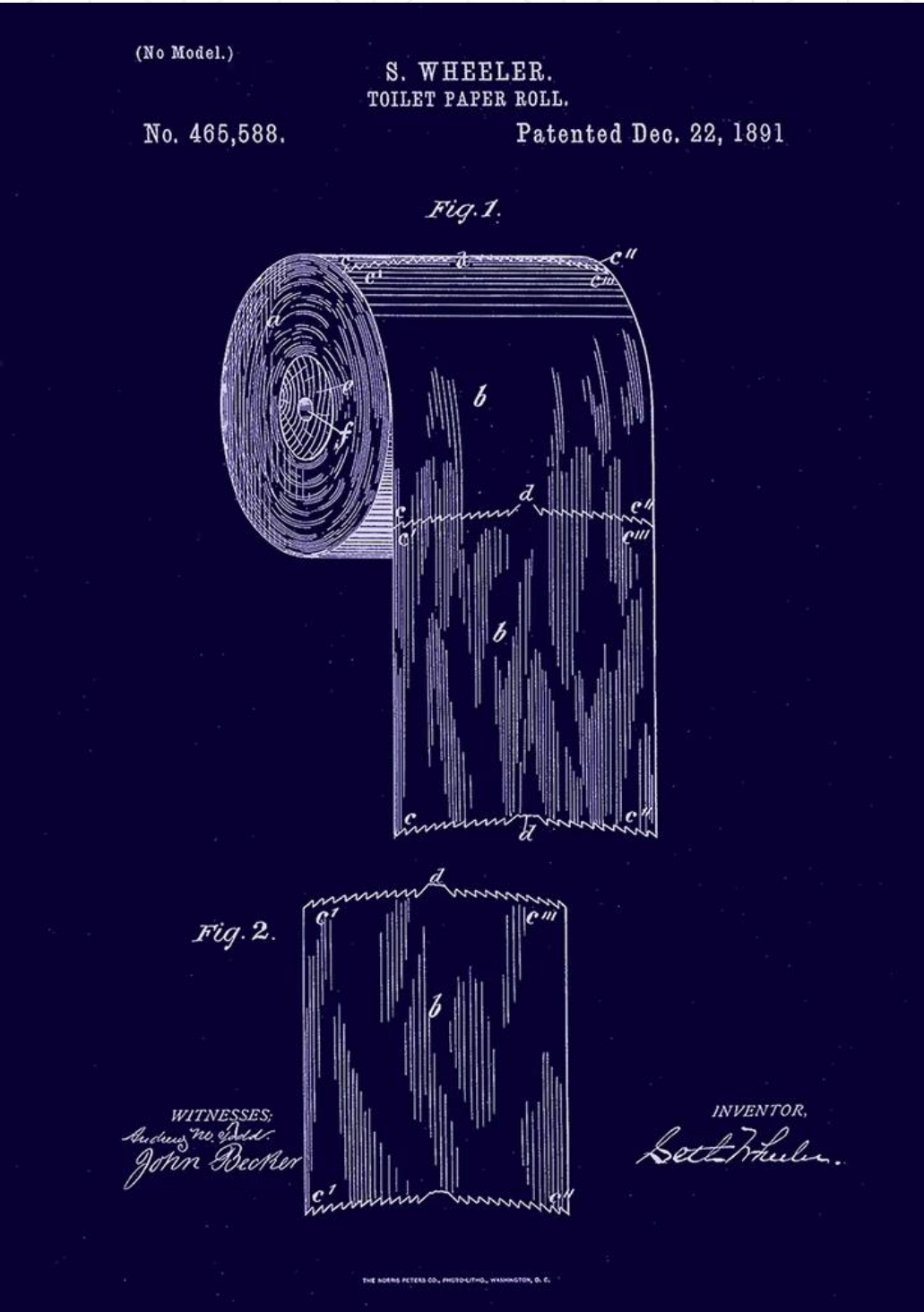
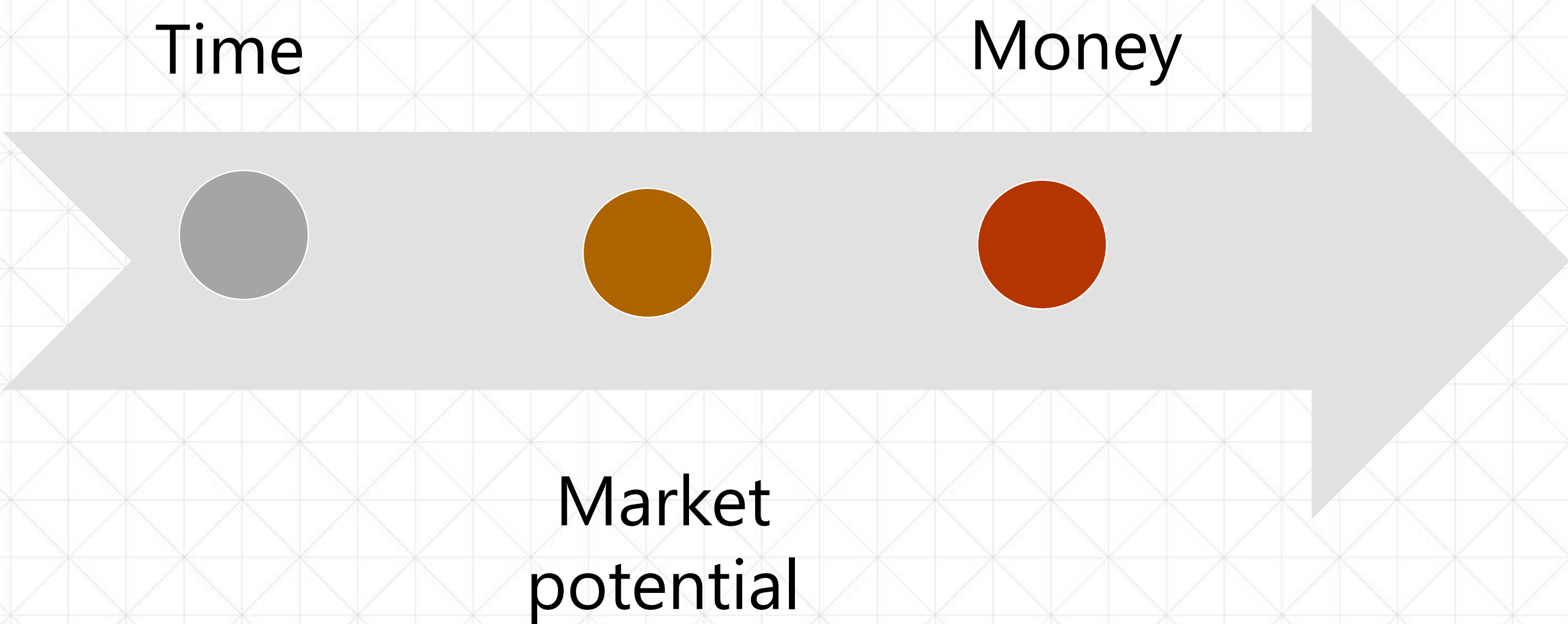
- Involved in several large (inter)national consortia / research projects
- Write grant applications together for research and innovation funding programs
- Training programs (internship / ITN Marie Curie fellowship)



Idea:



Development



Development

- Does the idea work
- Does it work under different conditions
- Does it work every time
- Does it work externally

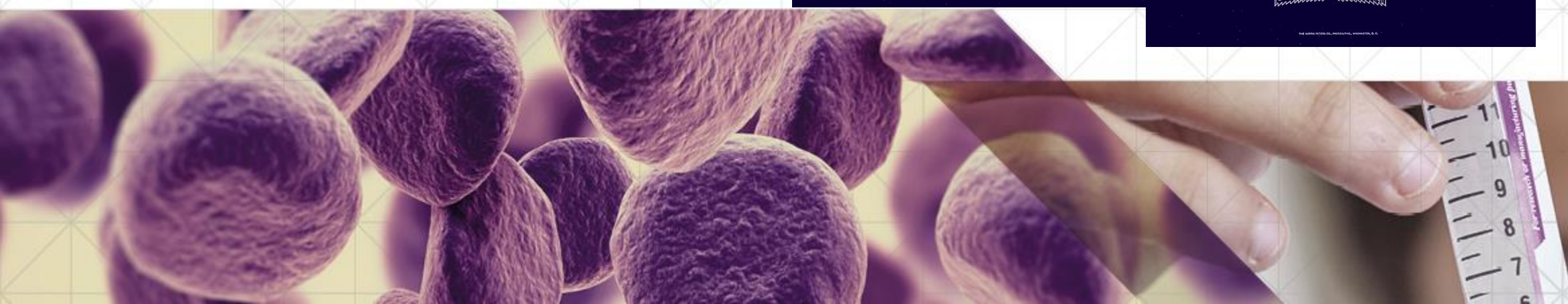
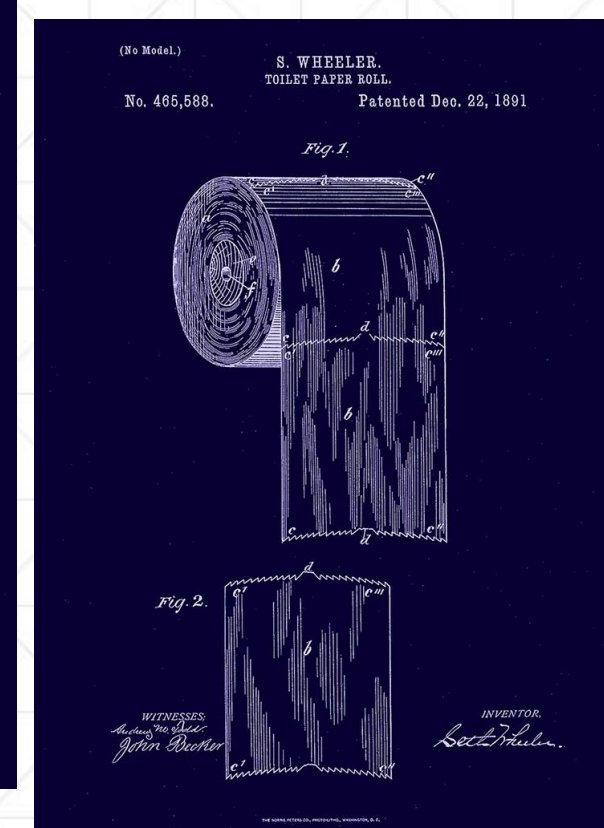
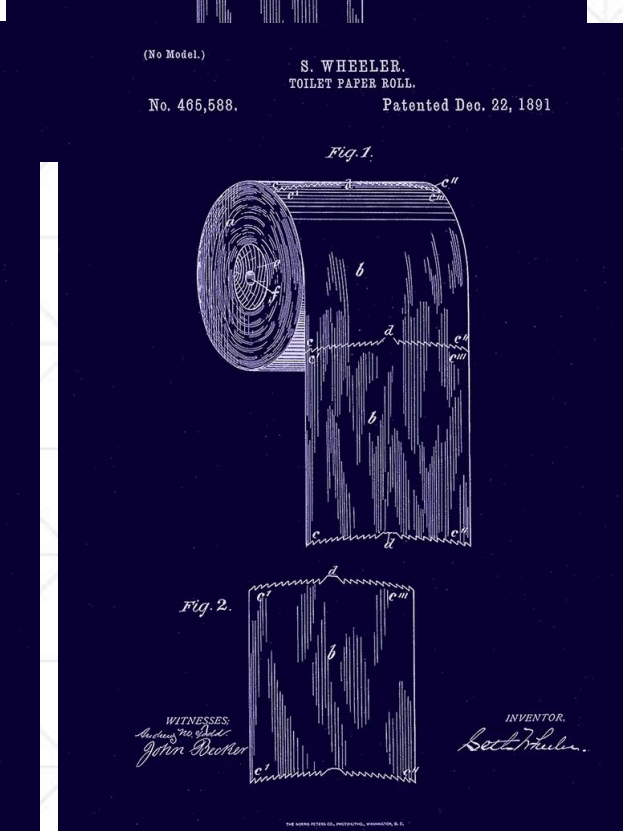
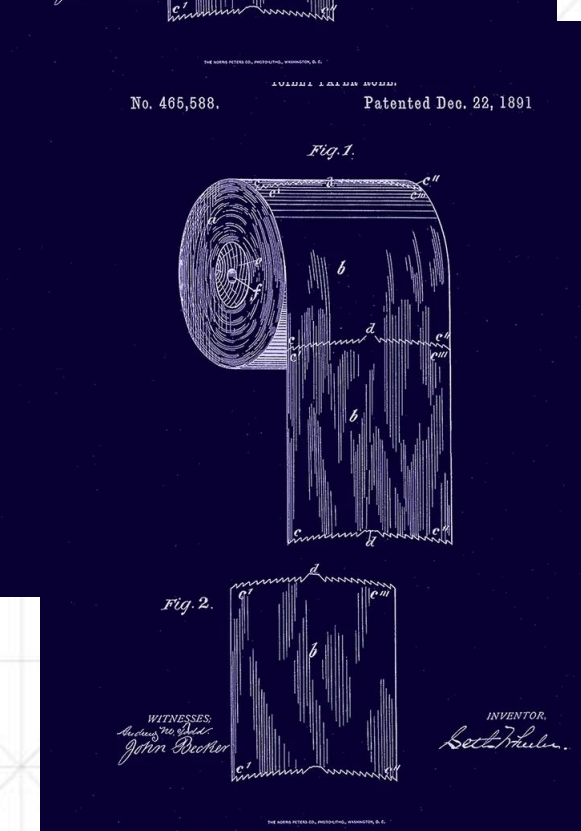
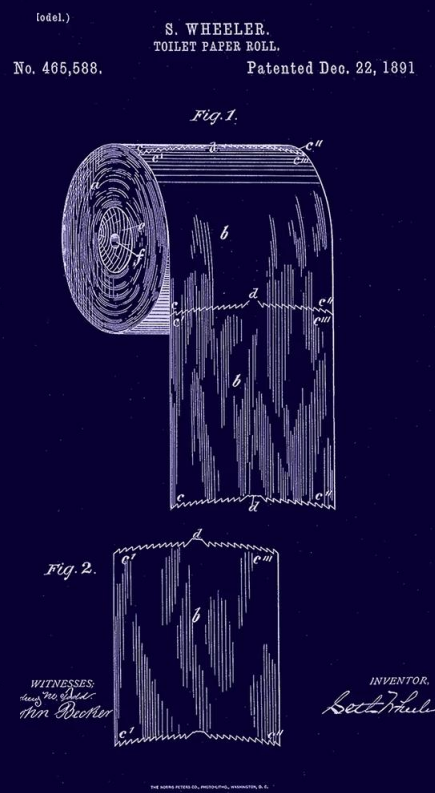
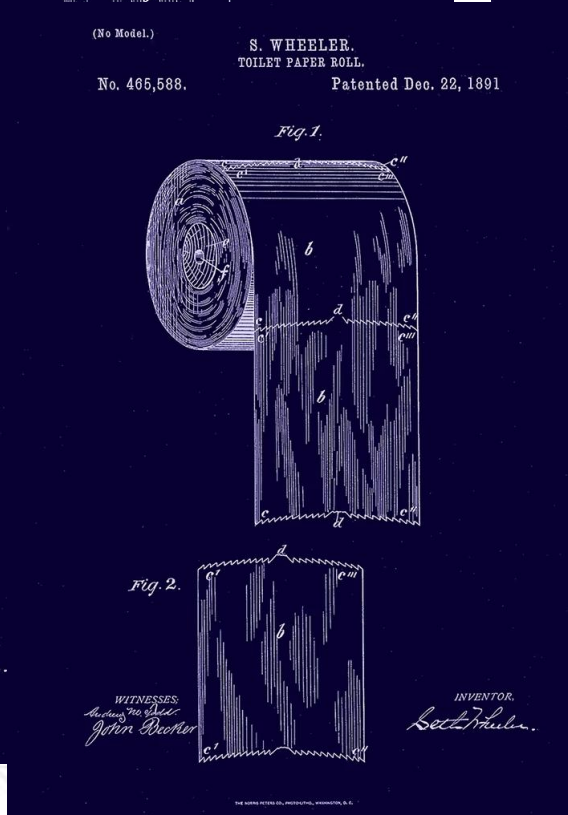
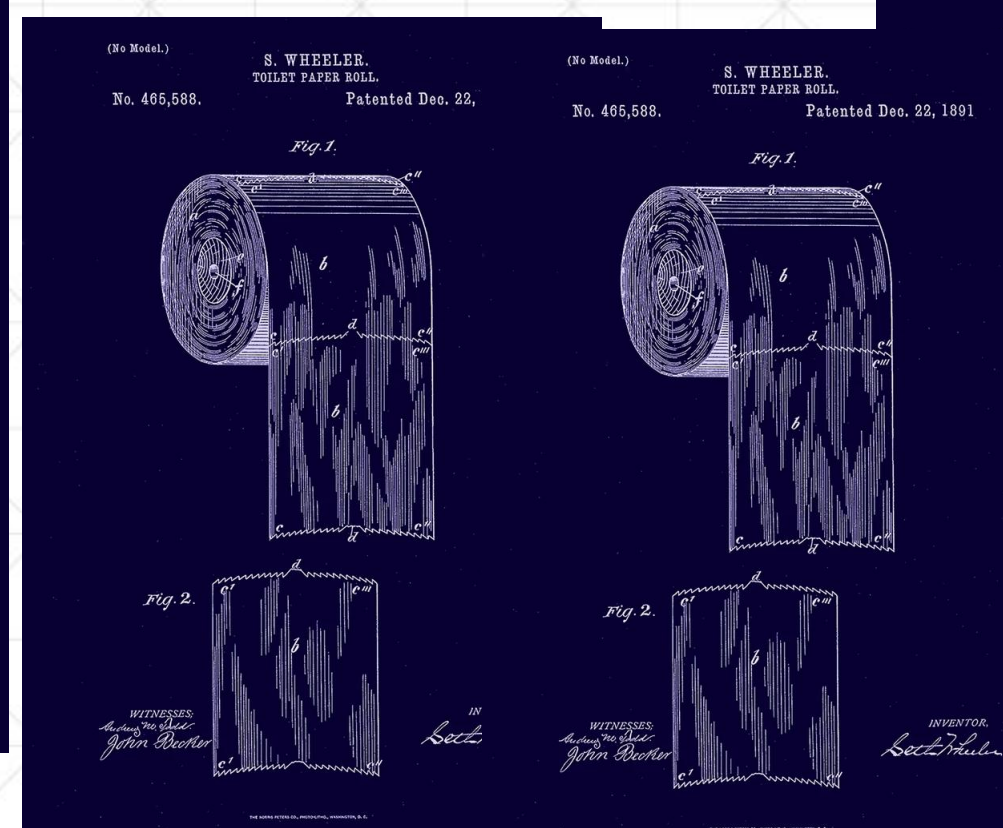
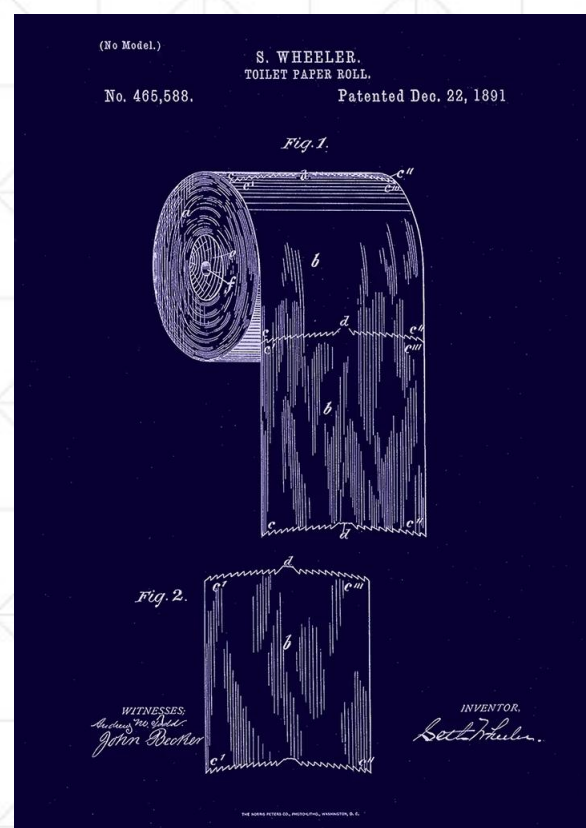
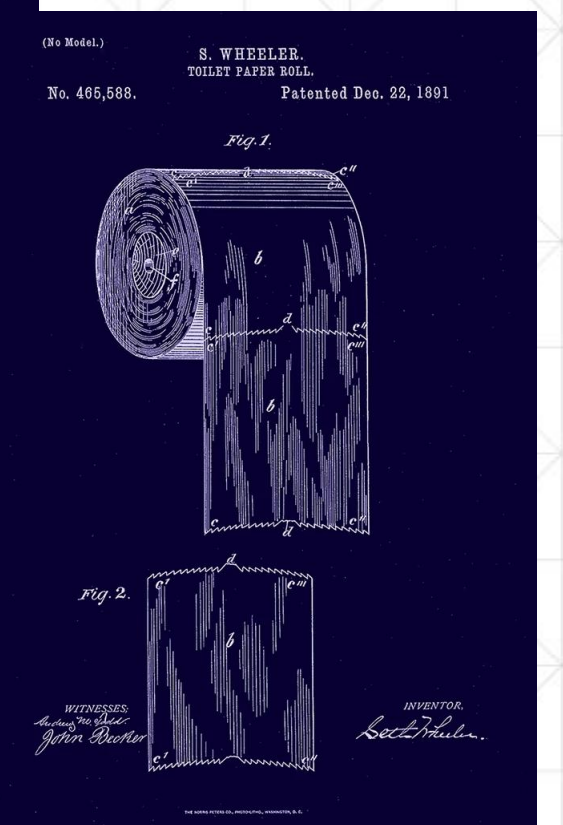
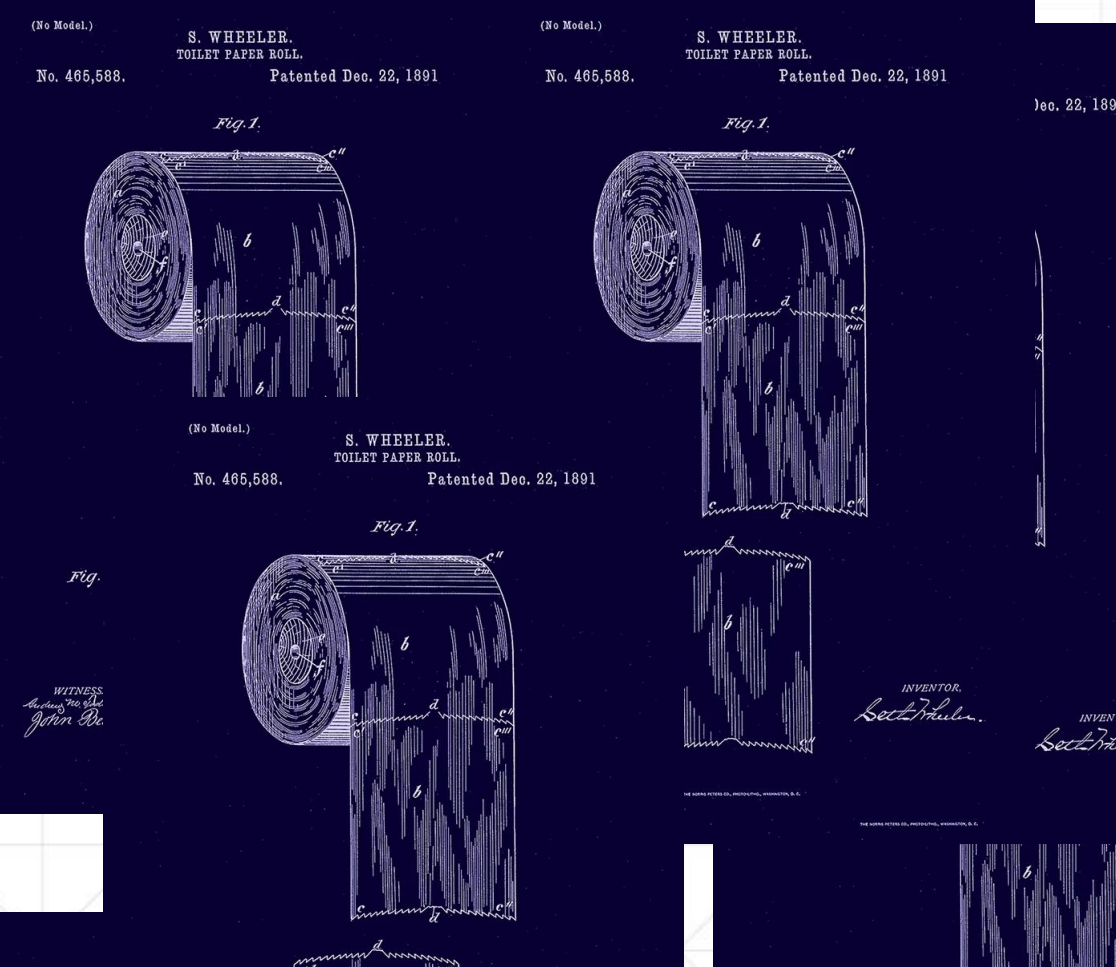
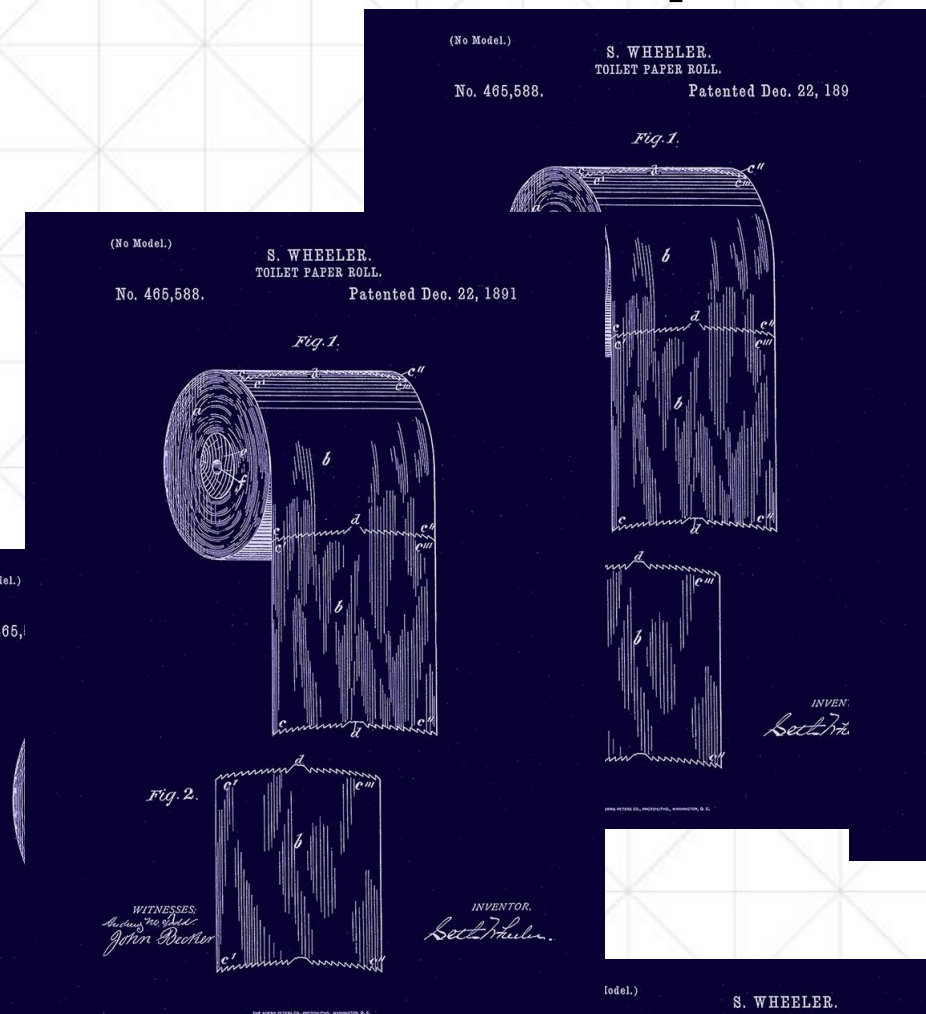
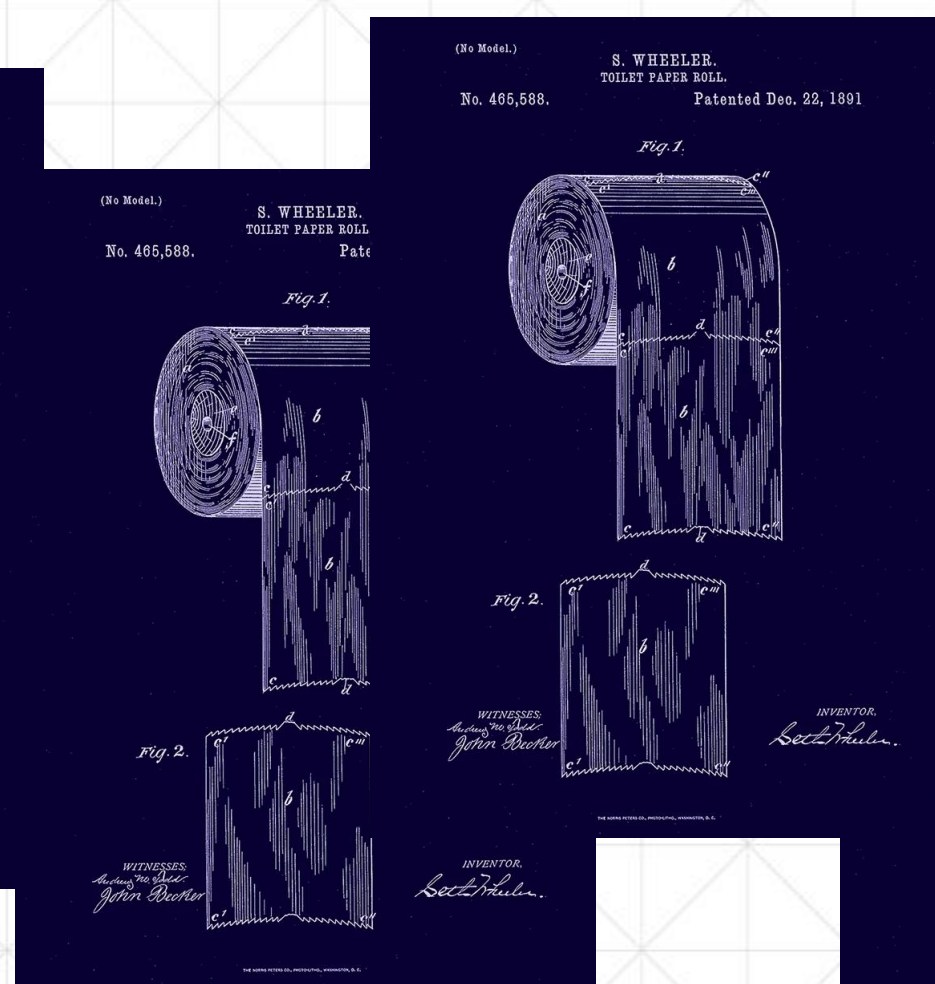
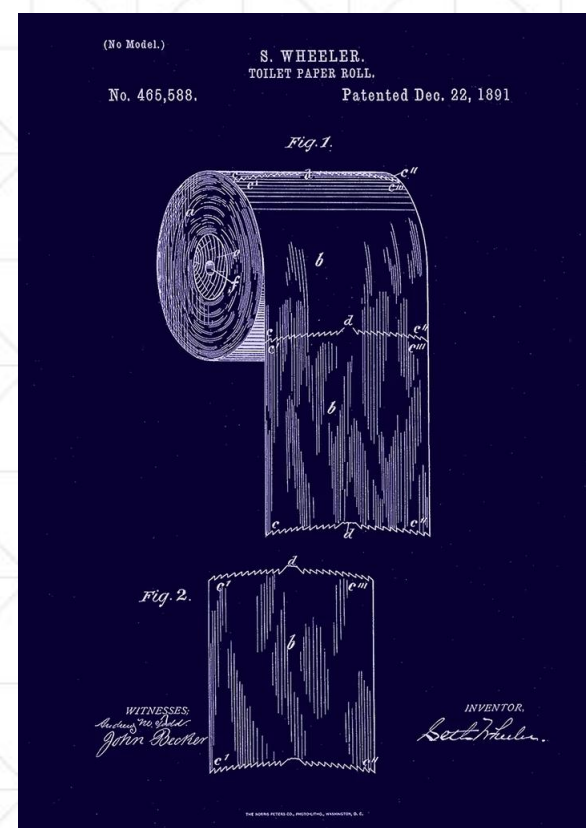
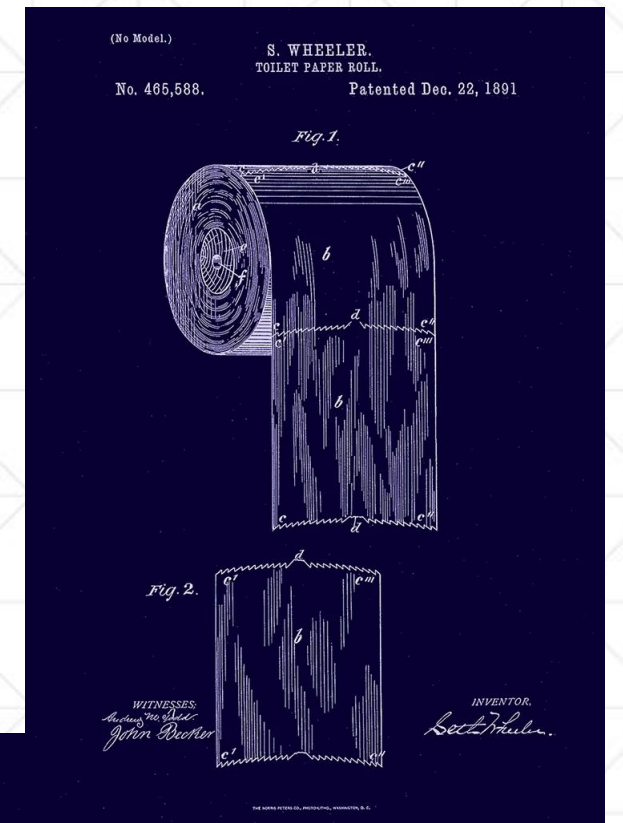
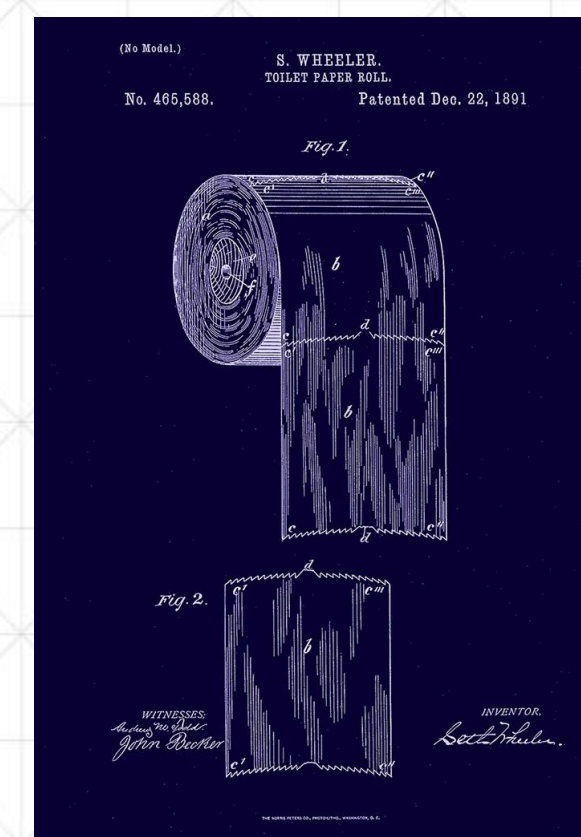
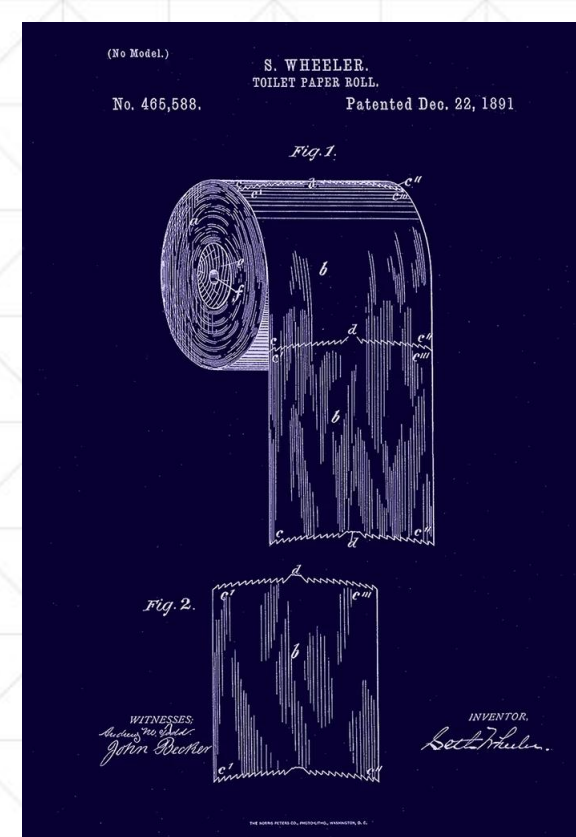


Production

- Production is easy

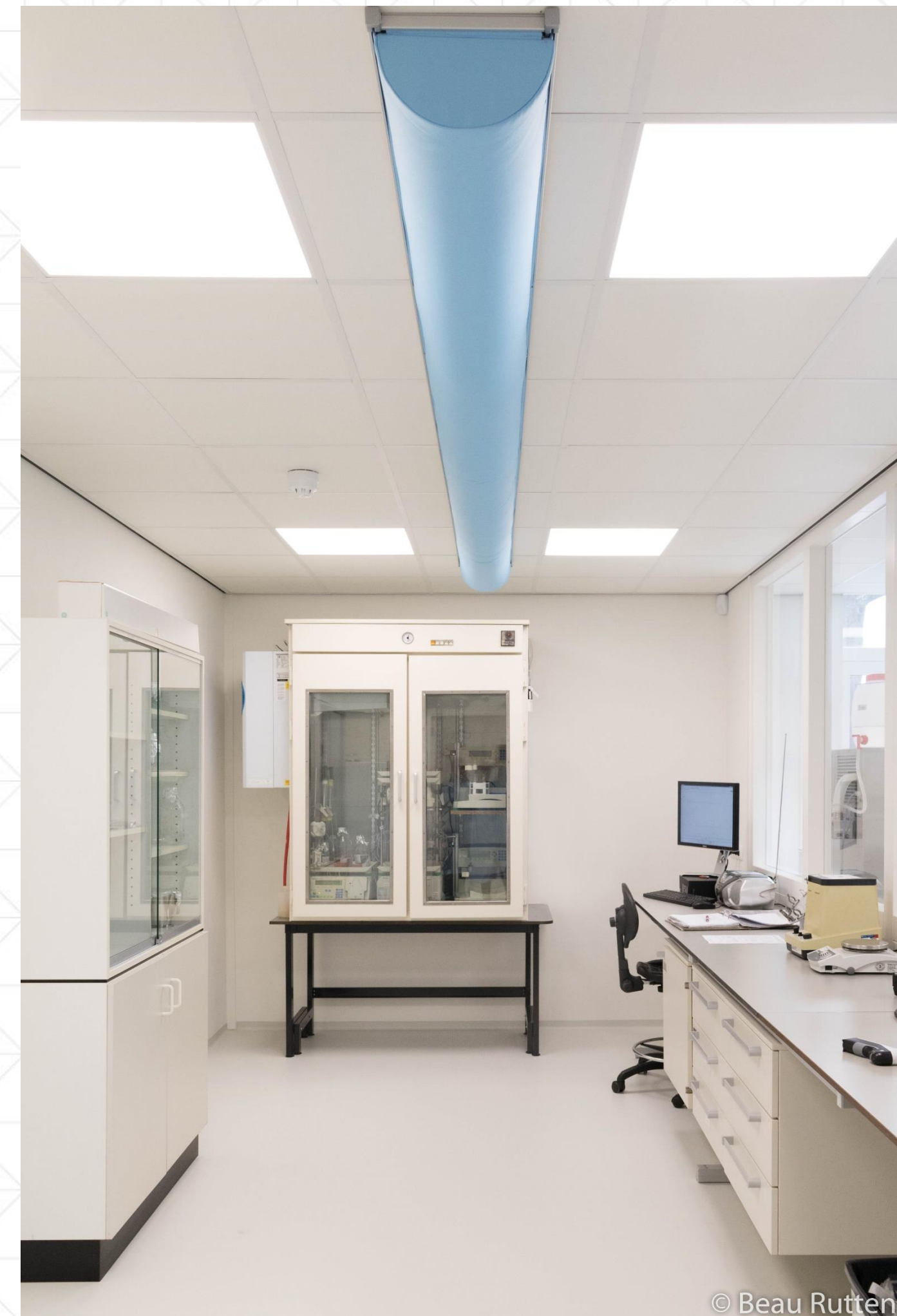
But a easy production process is very hard

Confidential



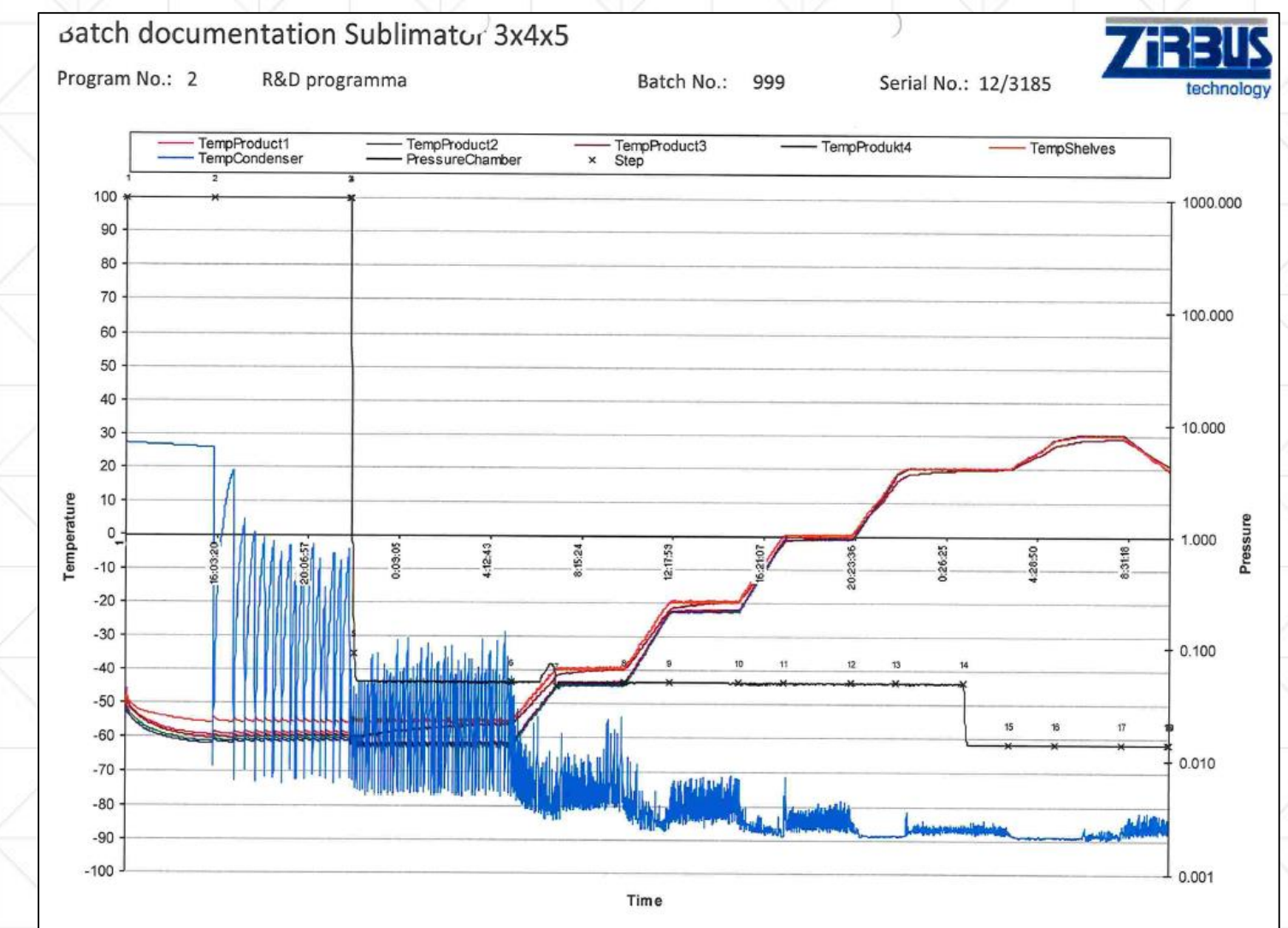
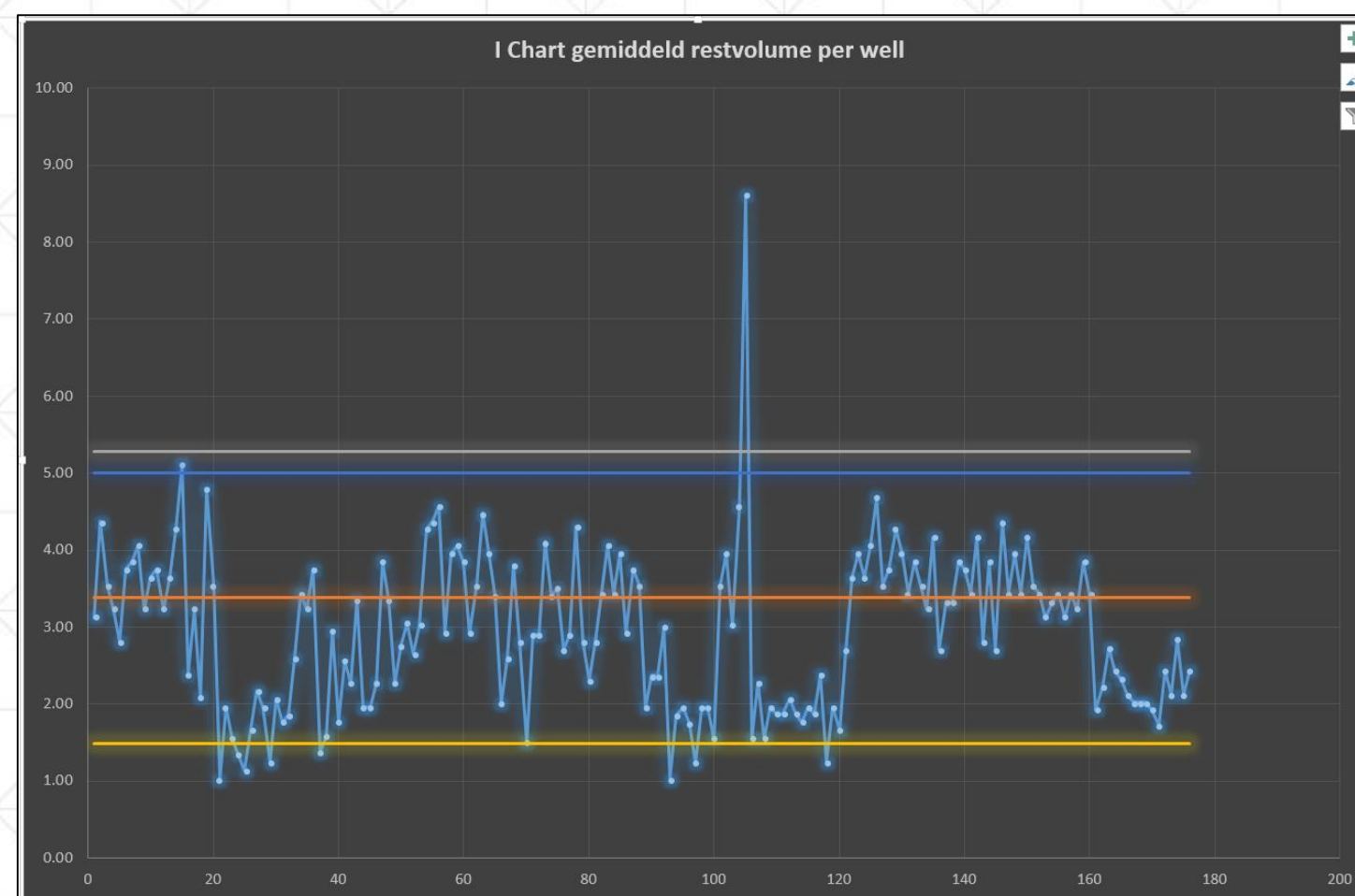
Production

- Facility
- Process optimization
- Standardization
- ISO 13485 Certified
- GMP



Production

- All products meet industry standards
- Assays developed and validated with relevant sample materials
- Process validation IQ / OQ / PQ
- Endotoxin free/low conditions
- Clean room facilities



Wrap up

Idea

development

Production

You have a quality assay which you can make over and over again.



How can we help

Idea

- Set up projects together
- Write grants

Development

- Joint development
- Outsourcing your development

Production

- Outsourcing your manufacturing
- Set up your own manufacturing



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