

# The Background

- Codland: a small company with a strong foundation
- Owned by seasoned companies Þorbjörn and Vísir
- Founded Haustak together in 1999
  - Drying heads, bones, etc.
  - Beginning of the utilization







## Haustak

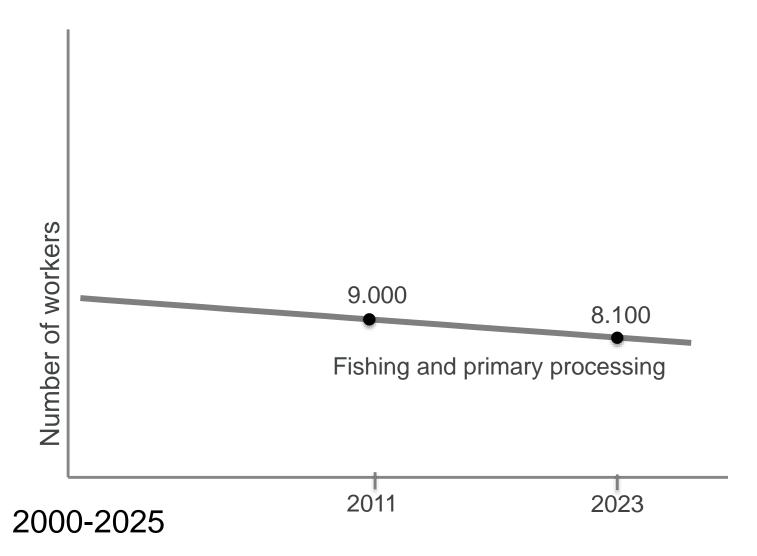
- Founded in 1999
  - Economies of scale
  - No loans from banks
- Today produce from 15.000 tonnes of wet raw material
  - Heads, bones, stockfish, slices
  - Going very well
- Robots from Icelandic company Samey



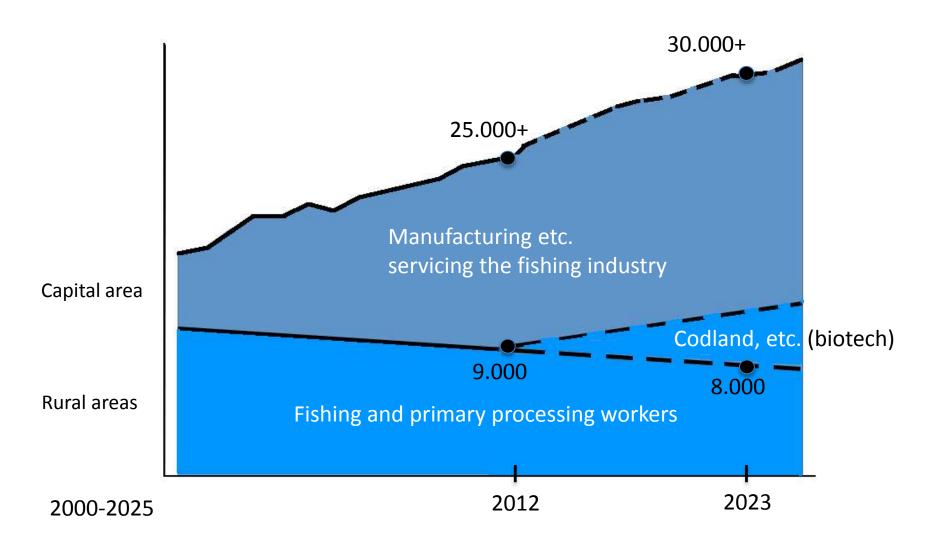
















NETWORK OF FIRMS







HEALTH PRODUCTS





RESEARCH & DEVELOPMENT





# FISHING + PRIMARY PROCESSING: FILLETS AND SPLIT FISH



# TRADITIONAL BYPRODUCTS: DRIED PRODUCTS

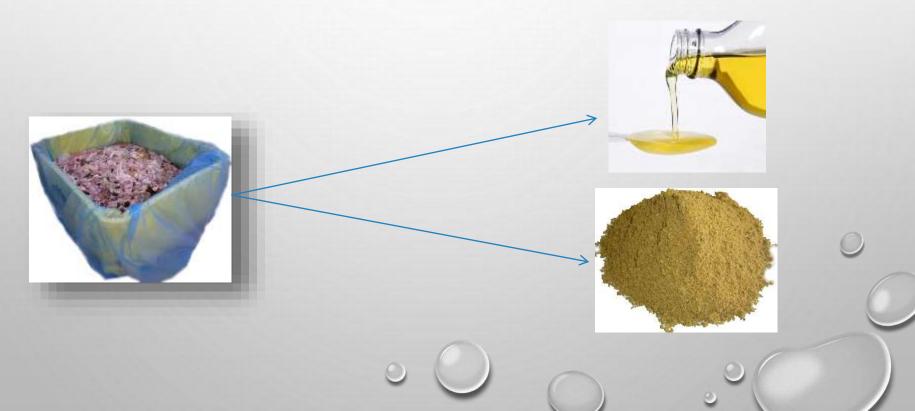


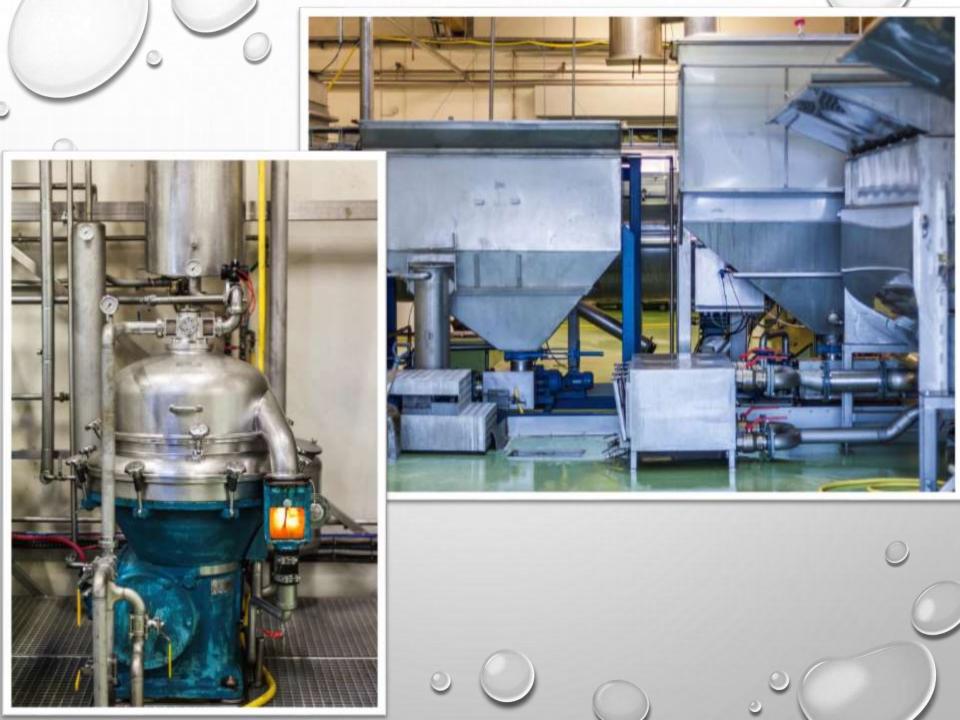




#### **HEALTH PRODUCT PRODUCTION**

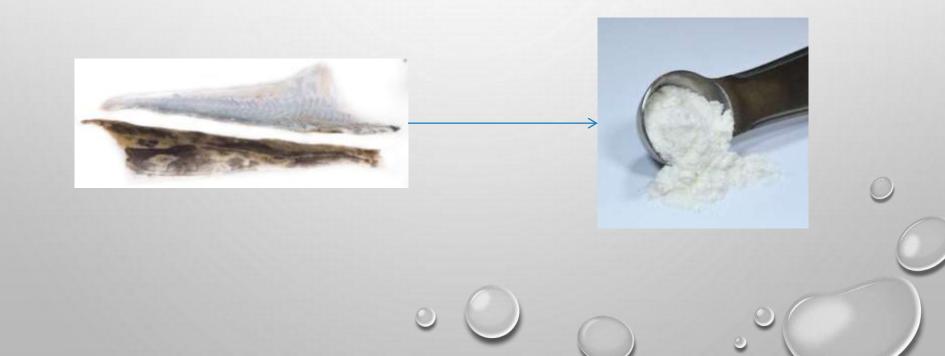
Rest Raw Material - Fish Oil & Fish Meal





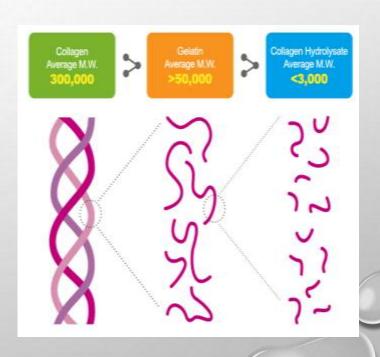
### FOOD SUPPLEMENT PRODUCTION

Icelandic Fish Skin - Collagen



#### WHAT IS COLLAGEN?

- Most powerful structural protein of the body
  - 75% of the skin
  - 30% of bones
- Required to maintain soft and stretchable skin, hair, nails, joints, cartilages and tendons



#### **PHASE ONE**

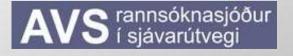
- Collaboration with Juncà Gelatines
- Production began in Spain in February 2014
- Preparing to build a collagen production facility in Iceland



#### MINERAL SUPPLEMENTS

- Bones are byproduct from fish oil/fish meal production
- Developing mineral supplements
- Grants from two Icelandic research funds, AVS and Vaxtarsamningur Suðurnesja



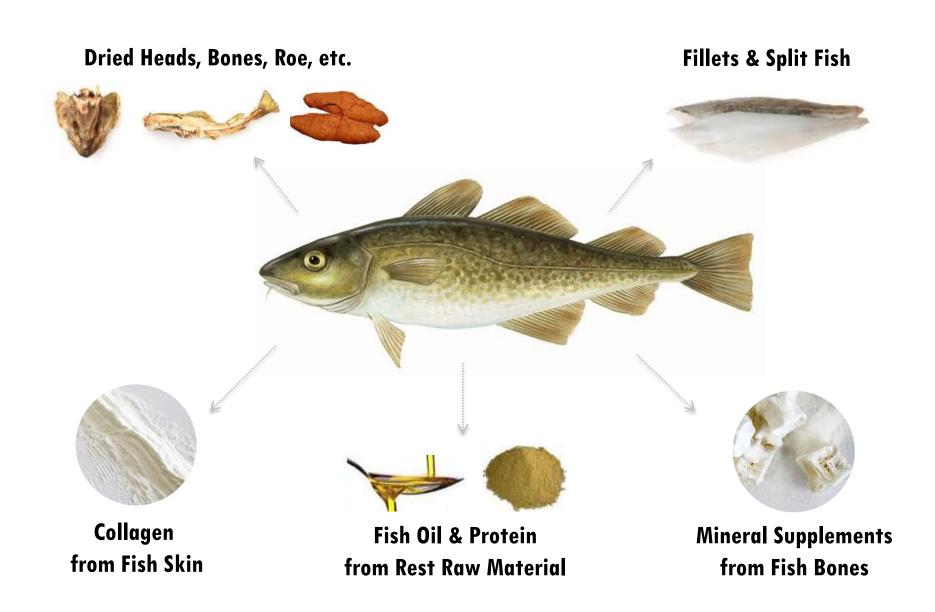


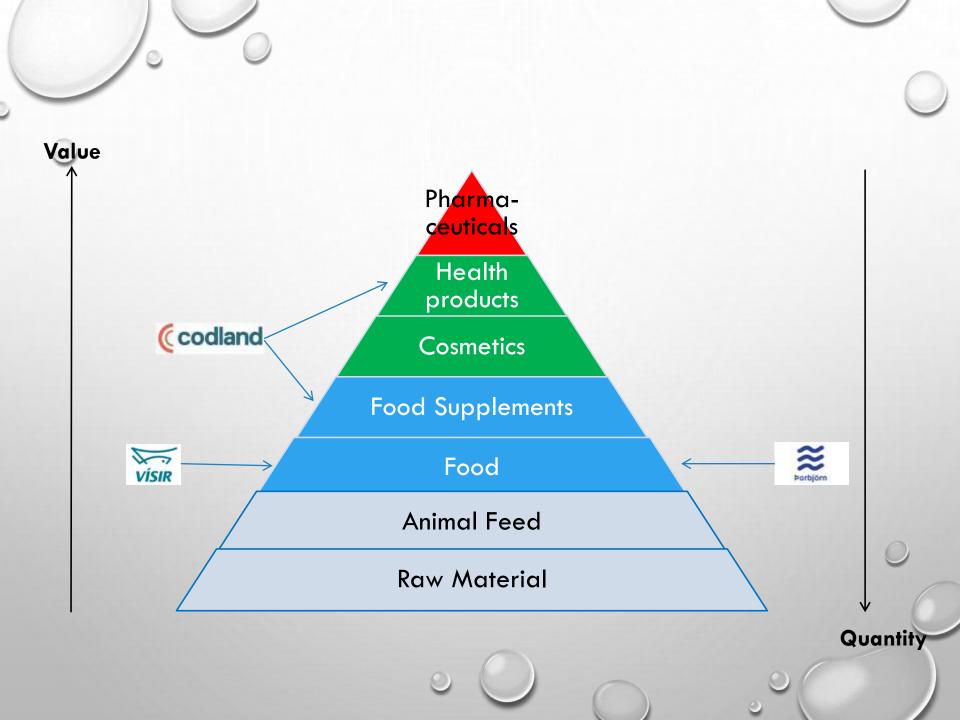


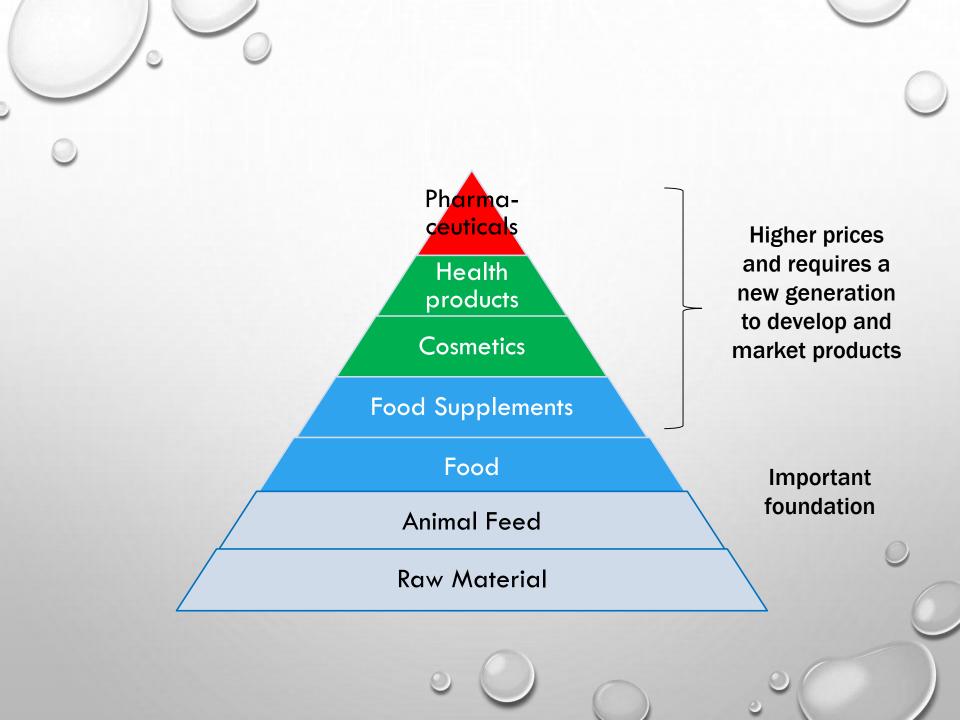
#### **CODLAND'S GOALS**

- Full utilization Research Collaboration
- Build knowledge & increase value
  - Raw material, products, markets
  - Specialists from various fields of study
  - Universities and research institutions
- Together we can go further
  - Collaboration within the fishing industry on byproducts

## THE 100% COD AT CODLAND







#### **COLLABORATION**

- A culture of collaboration
  - Starts with communication
  - Find win-win projects



- Samey (technology), Mannvit (consulting/engineering),
  Haustak & The Icelandic Ocean Cluster
- Collaboration of different sectors in the industry
  - greater opportunities







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