



CHAINCRAFT

Turning chemistry circular

World Bio Markets - 2023





OUR VISION

**An industry in which
all chemistry is circular**



OUR MISSION

Providing sustainable chemicals to improve our daily lives

ChainCraft's technology enables production of fatty acids that are applied in many different products and markets



feed additive



cosmetics



fragrances



cleaning



washing



paints



lubricants



plasticizers



flooring



THE SOLUTION

Producing chemicals from waste

Bio-based

Circular

Renewable carbon

Local

Stable supply

Non-GMO process

Resulting in a tremendous positive impact and contribution to SDG's

Upcycling
waste streams



40-80% less
GHGs



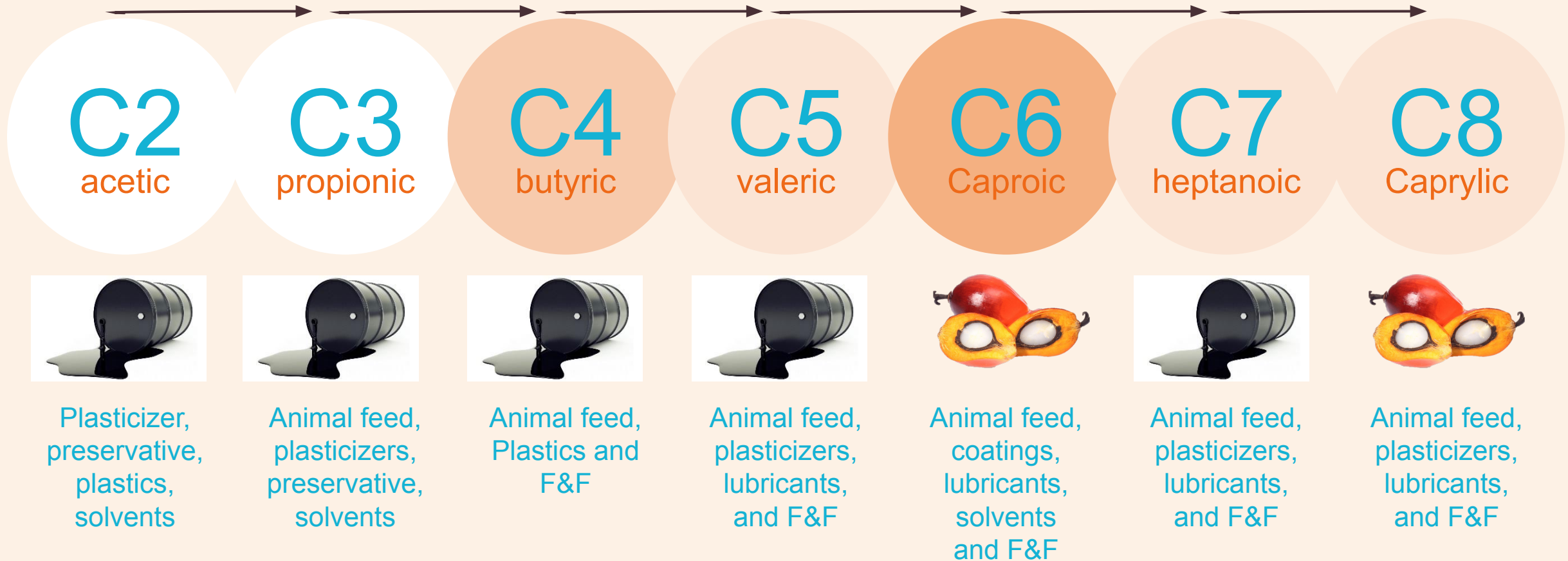
No need for
rainforest use



Our unique fermentation technology creates a valuable range of different medium chain fatty acids (MFCAs) from waste



ChainCraft has a unique chain elongation technology to produce valuable C4-C8



Markets & applications for MCFA and their drivers



CHEMICAL INDUSTRY



- ✓ X-Craft can be used as a precursor for various ingredients (surfactants, bio-alcohols, green solvents, etc.) for markets such as detergents, personal care, and lubricants
- ✓ Strong pull from FMCG companies for sustainable solutions
- ✓ Disruptive growth driven by reliable supply of X-Craft 6
- ✓ Unlocking new pathways in the chemical industry
- ✓ High volume applications

ANIMAL NUTRITION



- ✓ Existing market for fatty acids to improve the health and performance of livestock with large volume potential
 - ✓ C-Craft 4 is a drop-in to replace petroleum-based butyric acid
 - ✓ C-Craft 6 is a development product for this market
 - ✓ Market requires alternatives for antibiotics
 - ✓ Need for stable and local supply

FLAVORS & FRAGRANCES / FOOD ADDITIVES

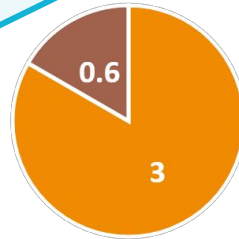


- ✓ High value, lower volume
- ✓ Strong interest in sustainable alternatives
- ✓ Highest quality requirements (registrations and certifications)
- ✓ SensiCraft MCFA is a drop-in used to enhance specific flavors a/o fragrances

AGRICULTURE



- ✓ AgriCraft potassium sulfate, ammonium sulfate, and struvite are by-products from MCFA production which can be used as fertilizers
- ✓ Large volume of by-products will be available to supply the local market
- ✓ AgriCraft 4 and 6 have herbicidal properties, enabling use in natural herbicides

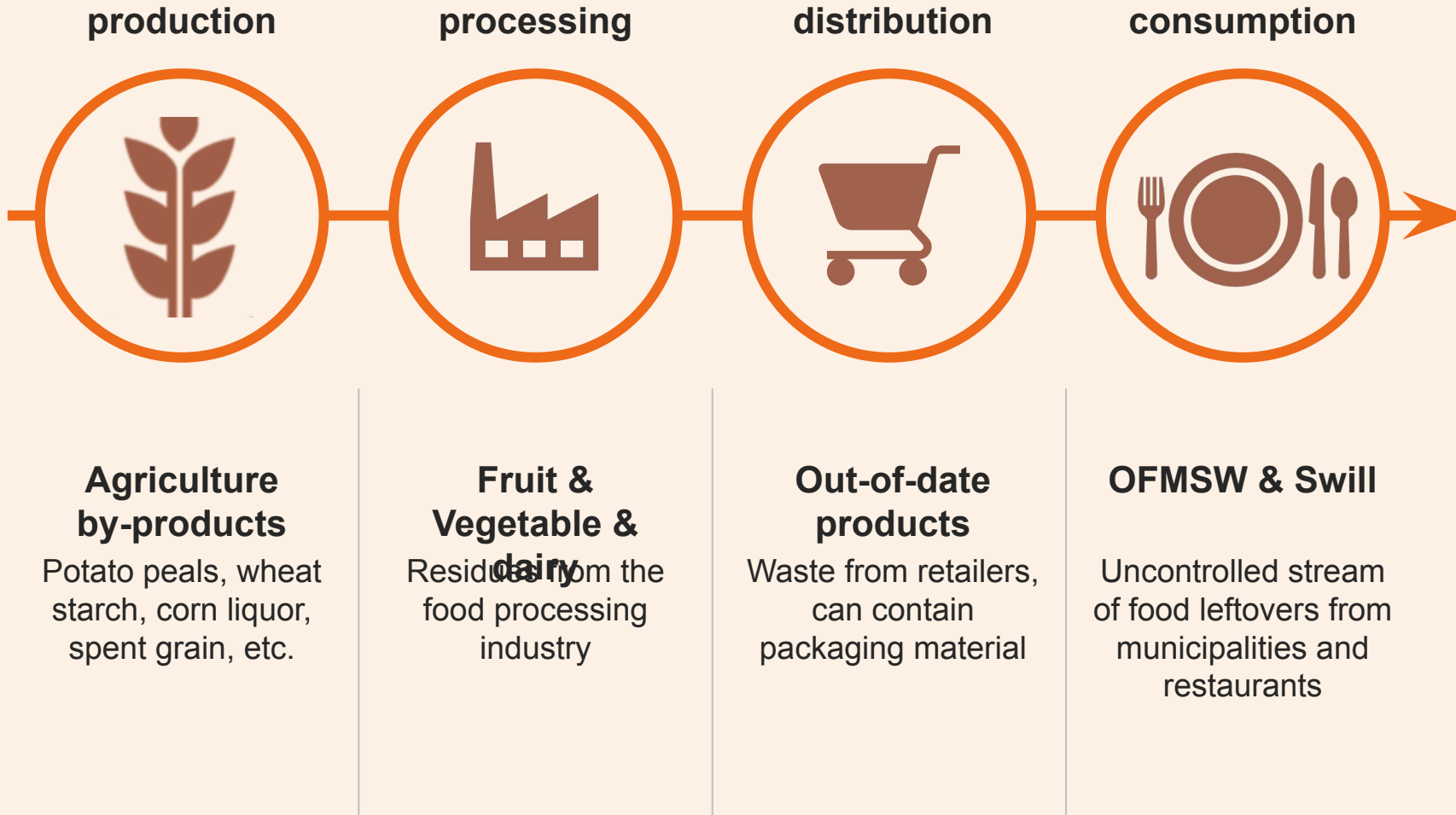


Agriculture-Fee
d-F&F industry

Chemical
industry

Total Addressable Market [in B€]

Potential feedstock supply is endless and can come from the full food value chain



Feedstock flexibility gives ChainCraft a strong competitive position

- ChainCraft can utilize many types of feedstock to produce fatty acids
- It can diversify the sourced feedstock among various possible suppliers
- The produced fatty acids can be used in various end-uses:
 - **Food grade** (additives, flavors)
 - **Feed grade** (additives, preservatives)
 - **Technical grade** (chemical use such as coatings, plasticizers)



We have already scaled
our technology

250,000x



Lab



Pilot

Commercial scale

Next up is to get to FID for our first full-scale facility end of 2023...

3 key milestones



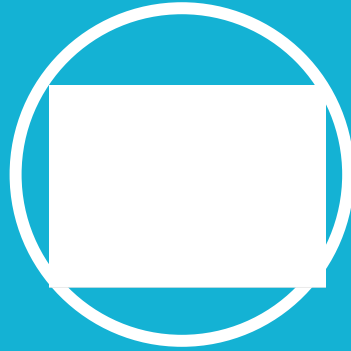
Feedstock

Feedstock supply contract to secure +100% for 20kt in output in a long-term (+20yr) co-location agreement



EPC & permits

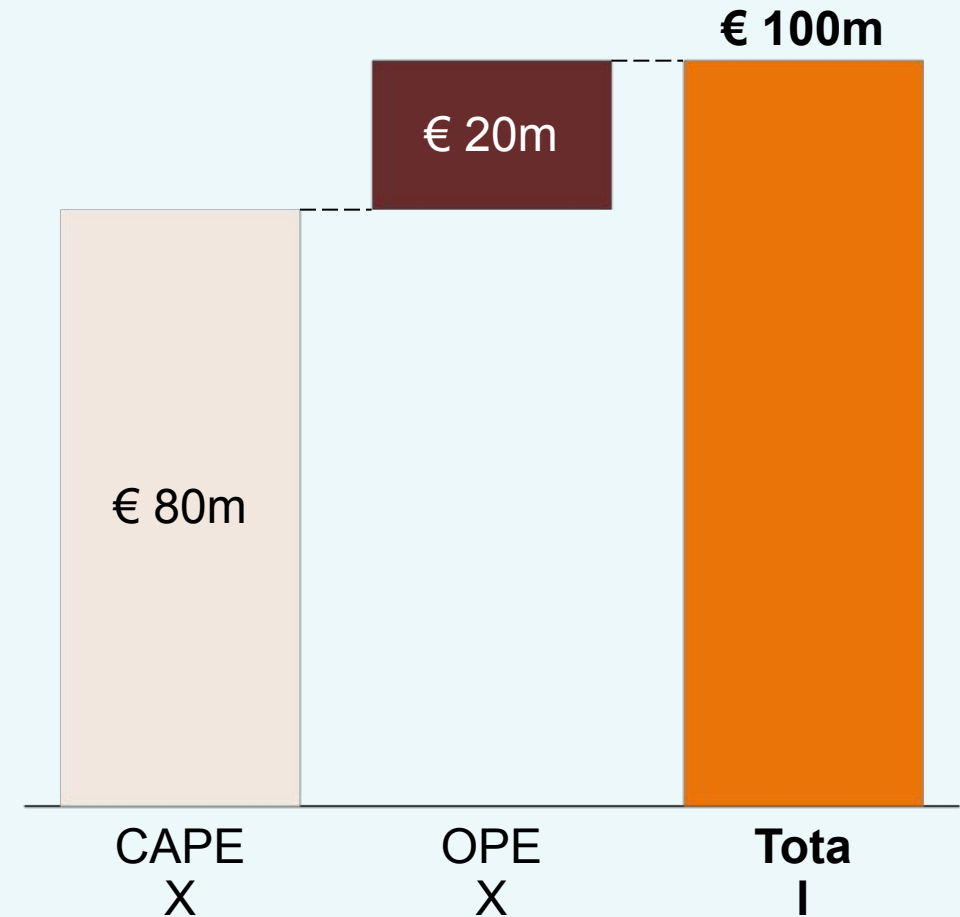
Engineering level [4], procurement and construction partner selection plus permitting in place (nitrogen)



Off-take

For +50% off-take agreements in place in a take or pay contract for multiple years

... and obtain the required funding to realise our vision





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Q1 - 2023