

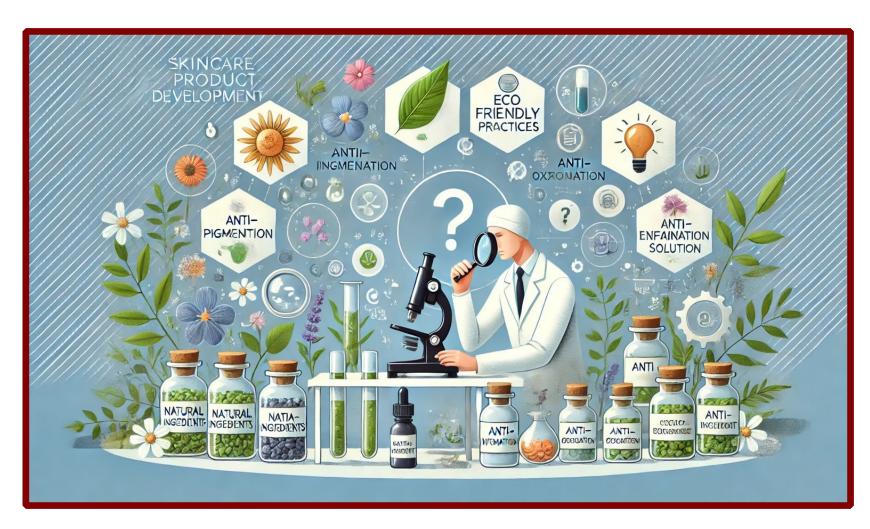


Sustainable Beauty Through Science



Institute for Engineering Leadership College of Design and Engineering

Problem



As consumer demand for skincare products containing highly effective natural ingredients increases, suppliers and manufacturers face challenges in obtaining a reliable and consistent source of quality active ingredients, produced in a **sustainable manner**. At the same time, the natural ingredients need to be proven effective in addressing popular skincare concerns, such as anti-pigmentation, anti-inflammation and anti-oxidation.

What kind of natural active ingredient can skincare suppliers and manufacturers turn to in order to satisfy these criteria?

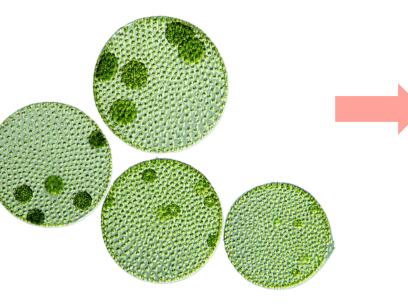
Solution

(1)Microalgae Cultivation aquatic **sustainable** resources

(2) Algae-derived **AST(Astaxanthin)** (3)Natural Ingredient Supplying

Product & Revenue Stream









Technology



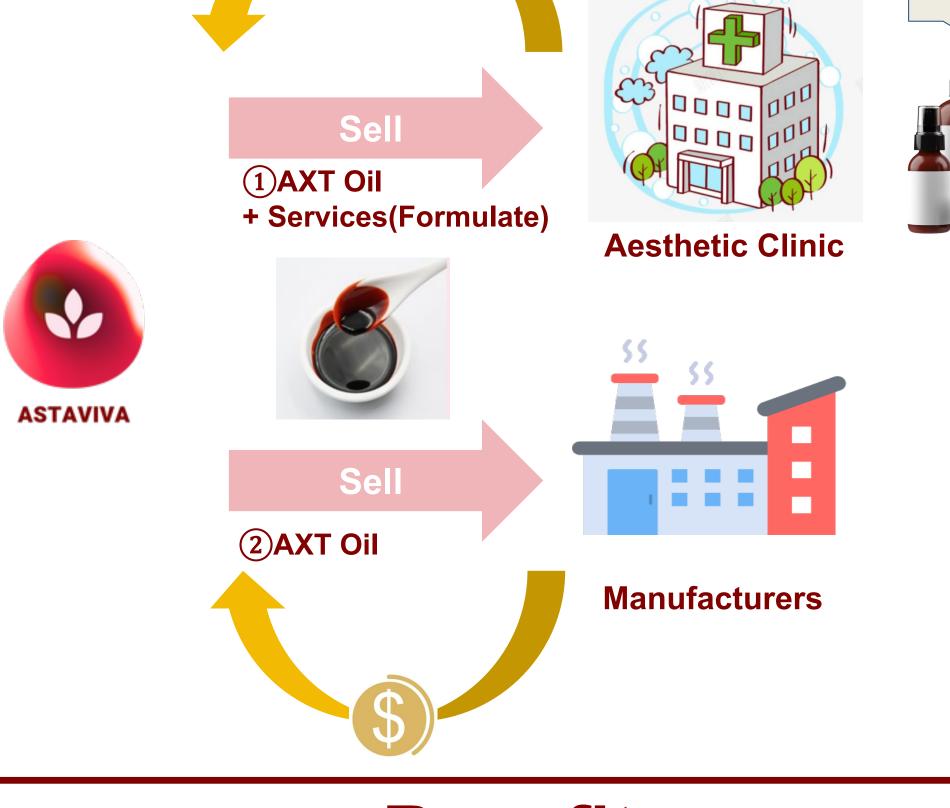
Indoor Bioreactor Cultivation

100% natural resource

• 100% water recycling from side

streams

- Fast Growth Rate
- Consistent and stable supply



Benefits

- Unique Product Advantage
- Diversified Business Model
- Alignment with Market Trends
- Reduced Customer Acquisition Costs

White label

products

Market Size

Competition

