

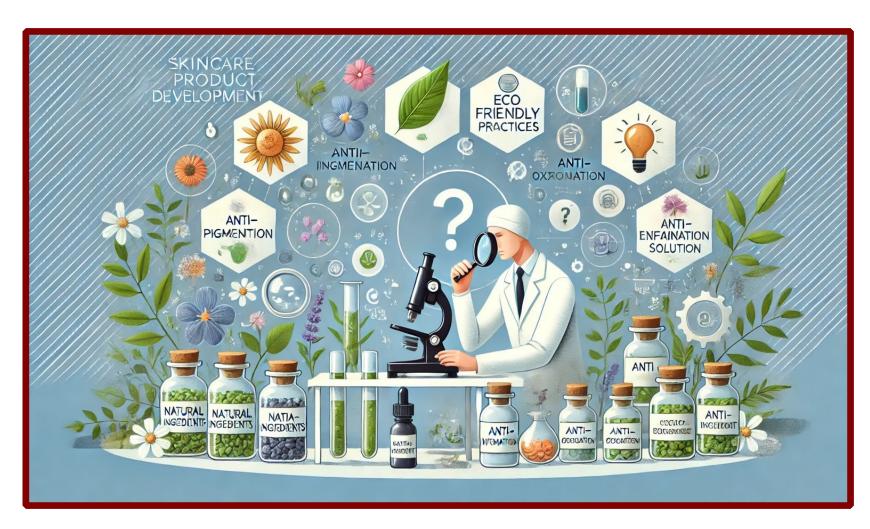


**Sustainable Beauty Through Science** 



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?

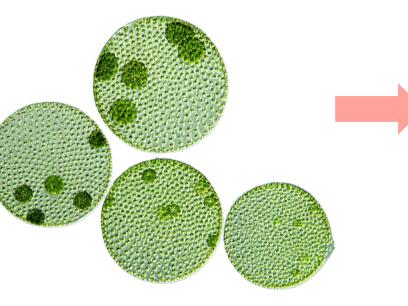
### **Solution**

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

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

### **Product & Revenue Stream**









### Technology



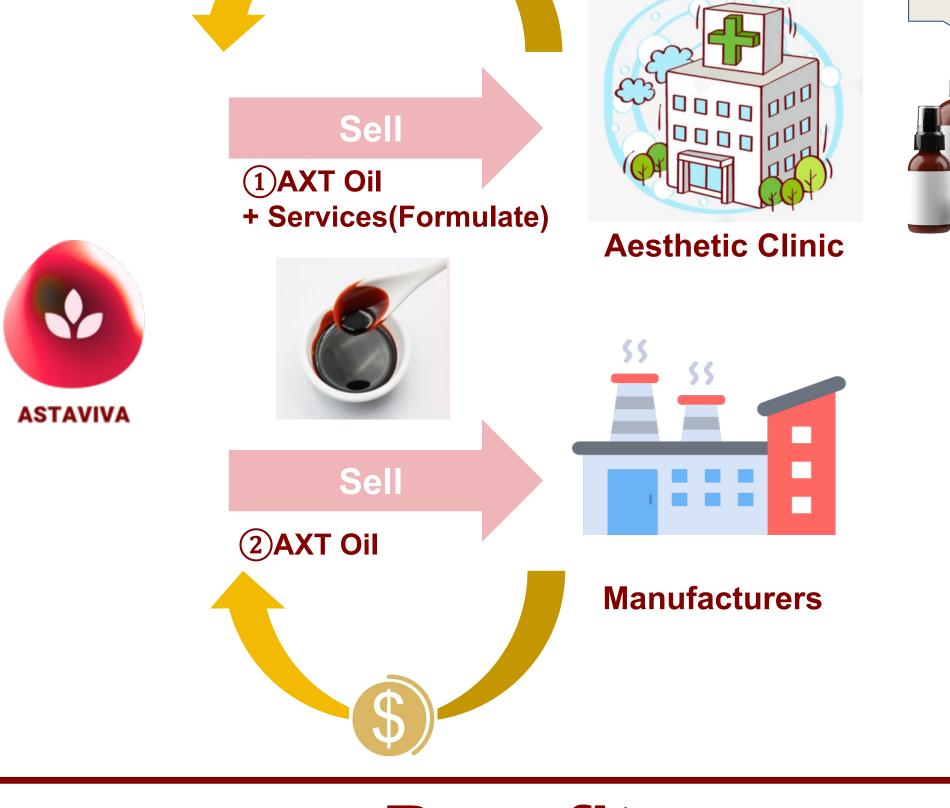
**Indoor Bioreactor Cultivation** 

# 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

