

MICROALGAE: LIGHT DRIVEN CELL FACTORIES FOR HIGH-VALUE PRODUCTS TOWARDS HUMAN HEALTH AND NUTRITION

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TRANSLATING INNOVATION

INNOVATING TRANSLATION

- MAJOR CATEGORIES**
- ANTENNA ENGINEERING
 - STRUCTURE GUIDED DESIGN
 - NEXT-GEN SOLAR FACTORY
 - TISSUE OXYGENATION
 - CRYO-EM
 - RECOMBINANT PROTEIN EXPRESSION
 - HIGH-THROUGHPUT SCREENING & SCALE-UP
 - TECHNOECONOMIC & LIFECYCLE ANALYSIS

GOALS

RESEARCH PROJECTS

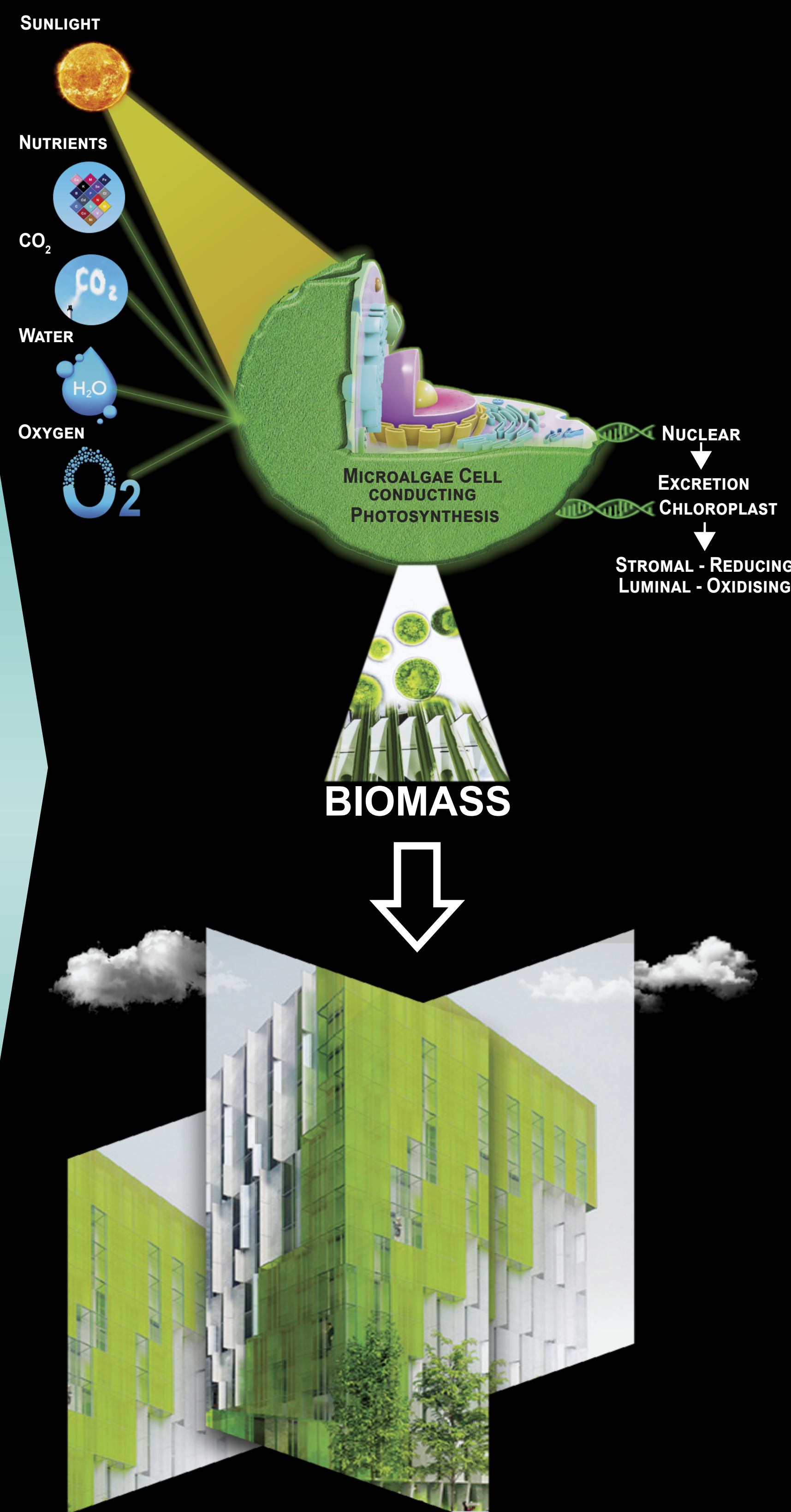
INVENTIONS

PROCESS

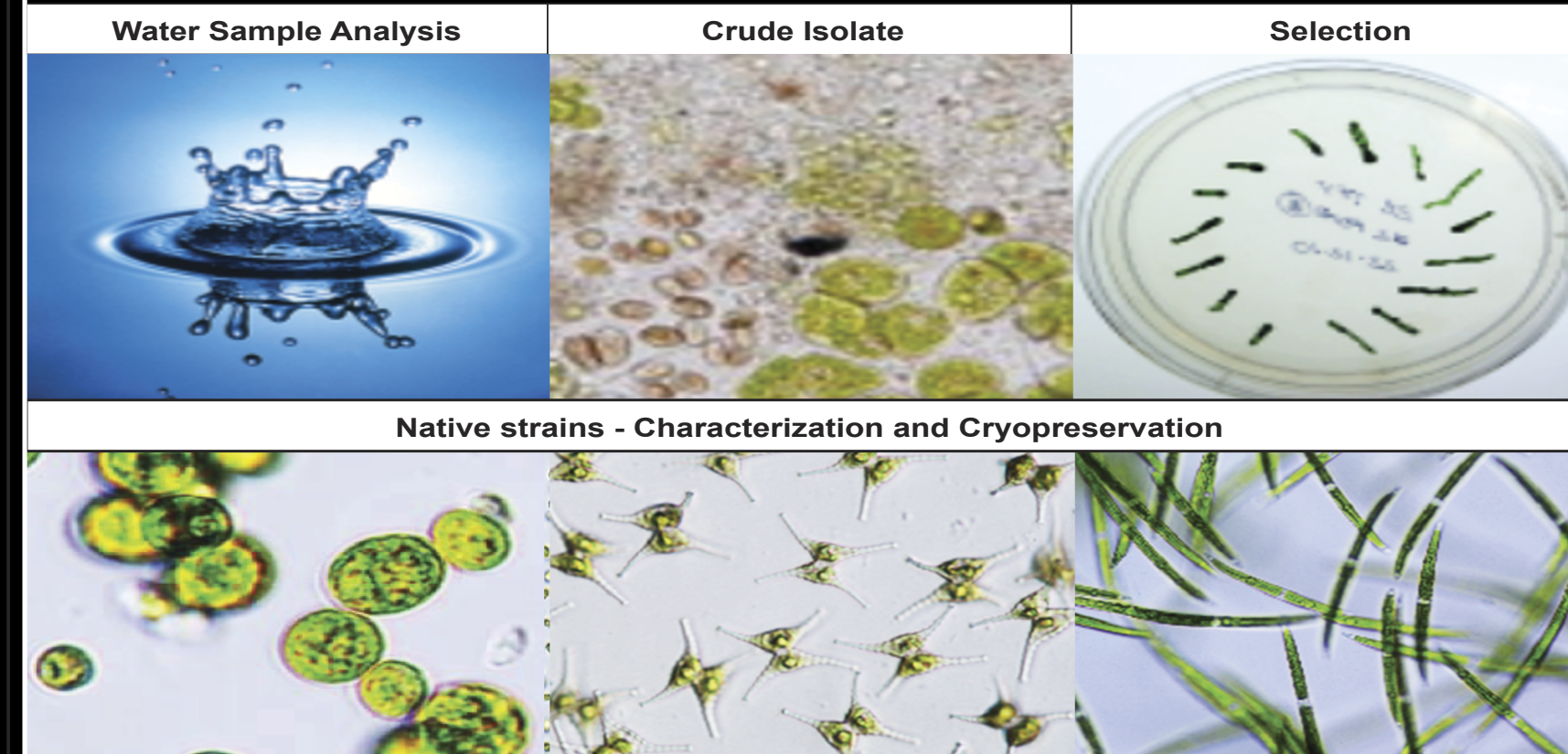
INDUSTRY

CIRCULAR BIOECONOMIES

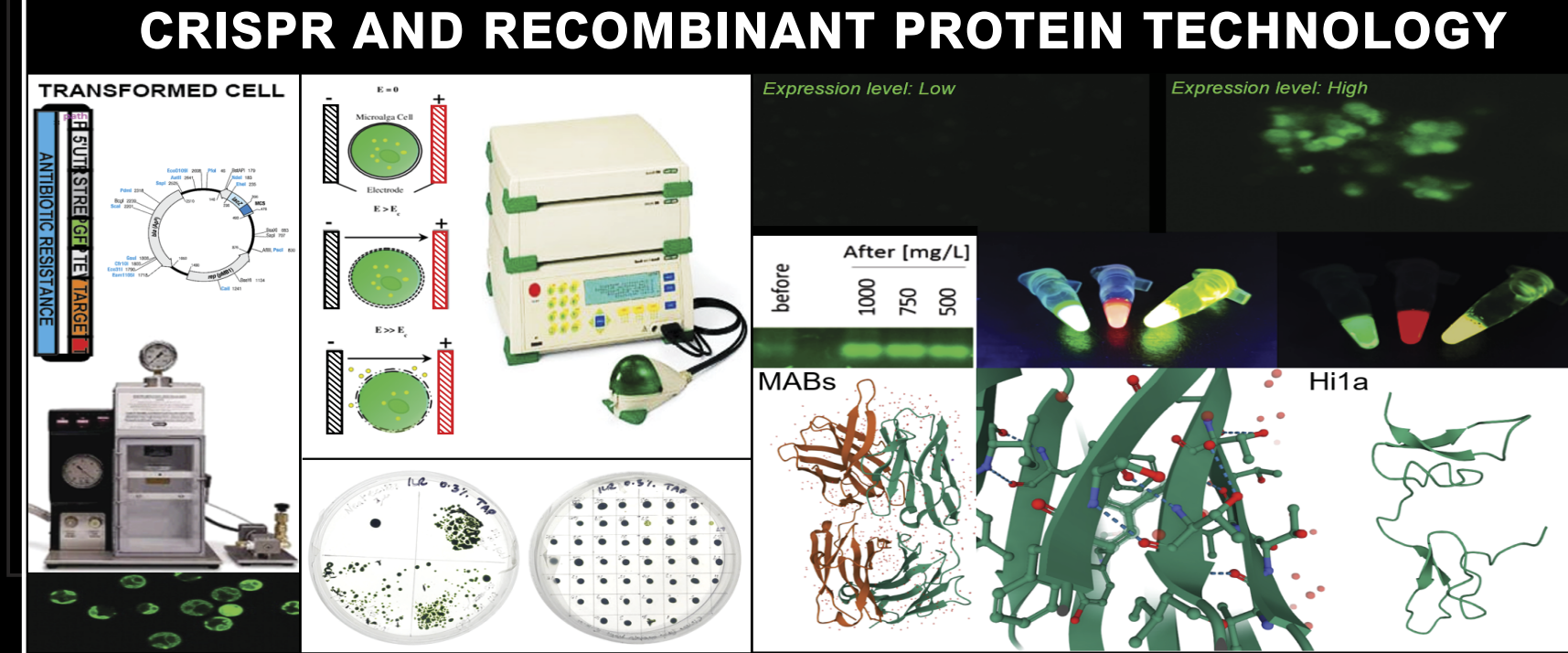
MICROALGAE: CELL FACTORY



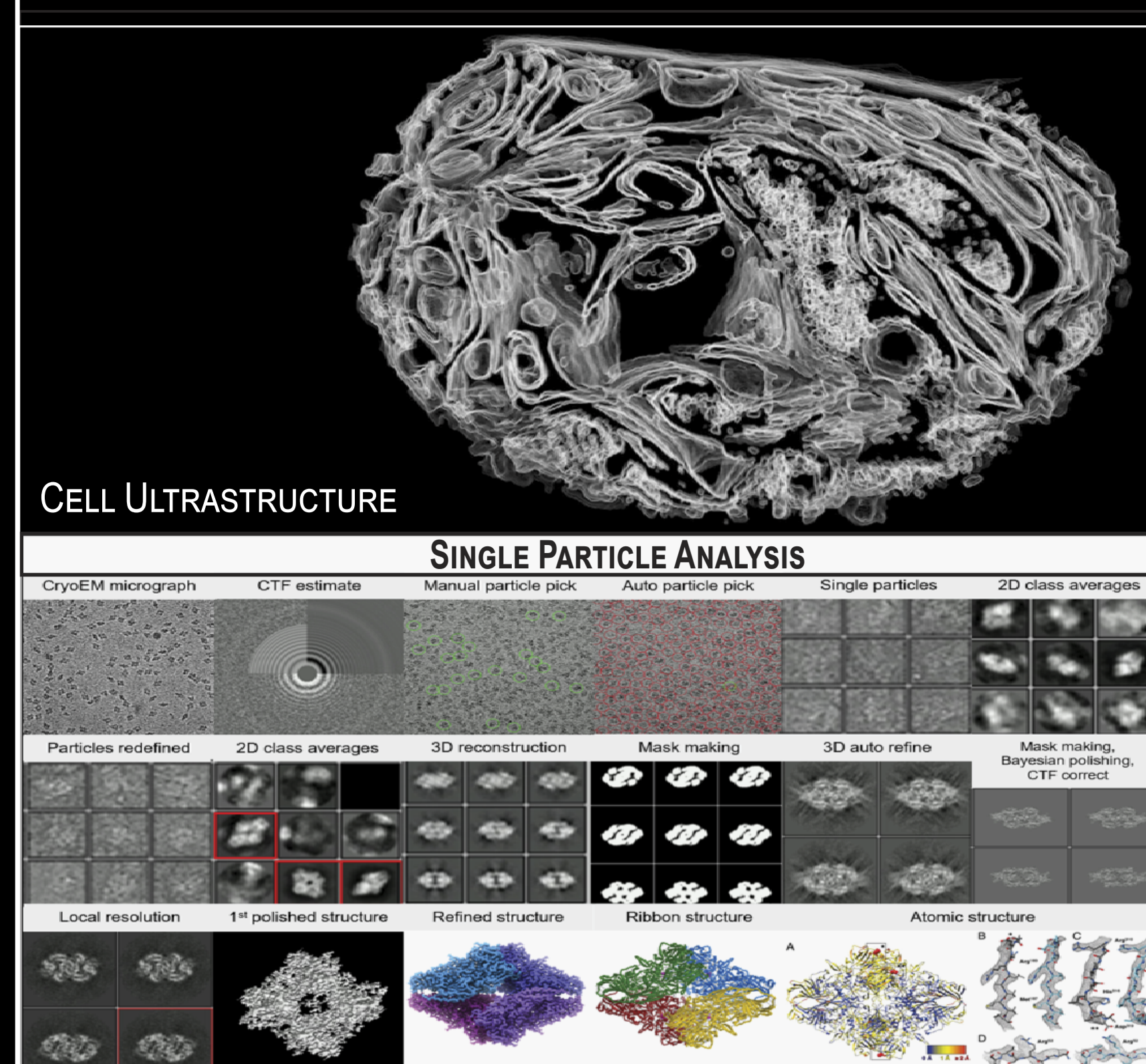
STRAIN ISOLATION & SCREENING



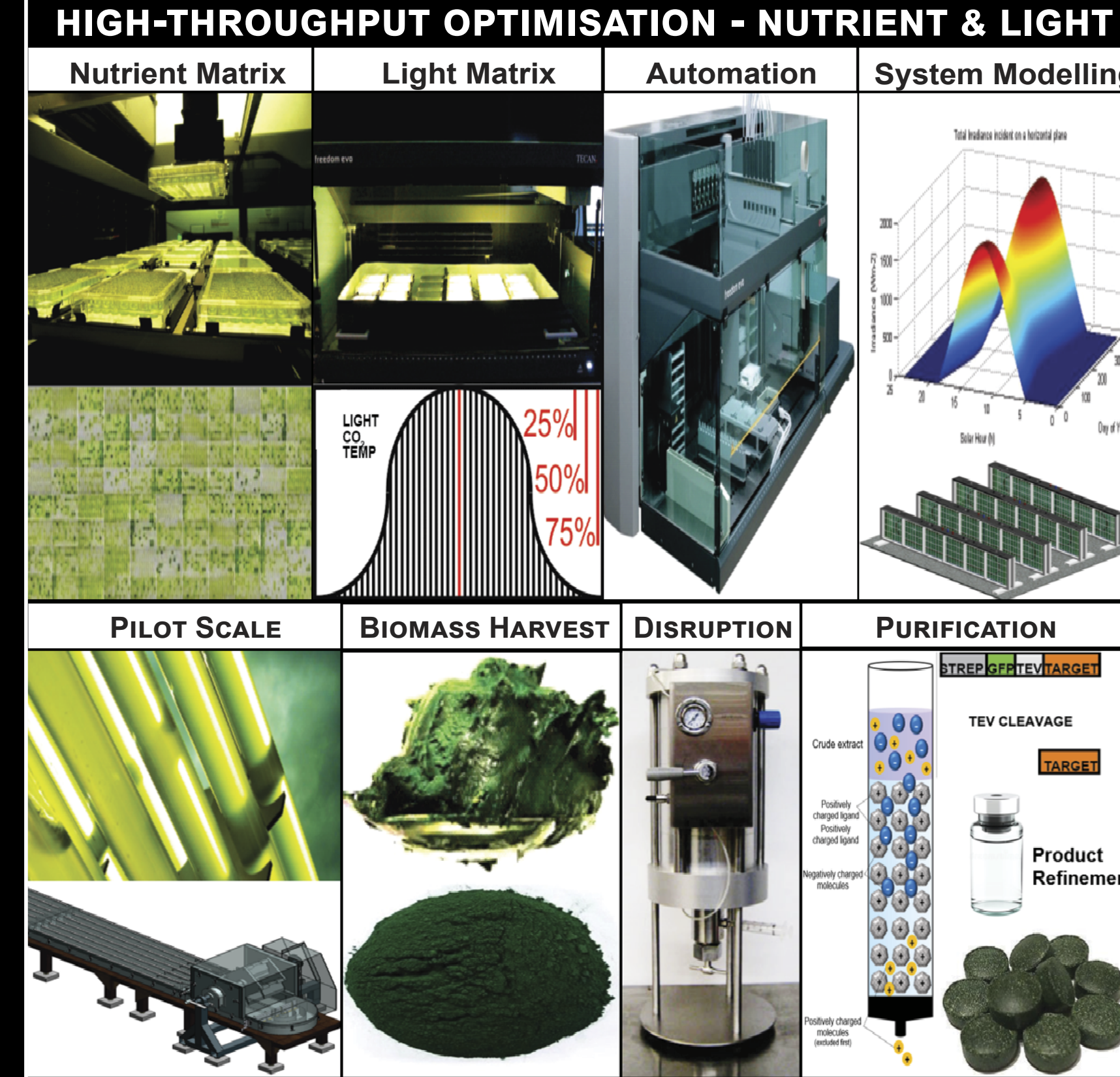
GENETIC ENGINEERING



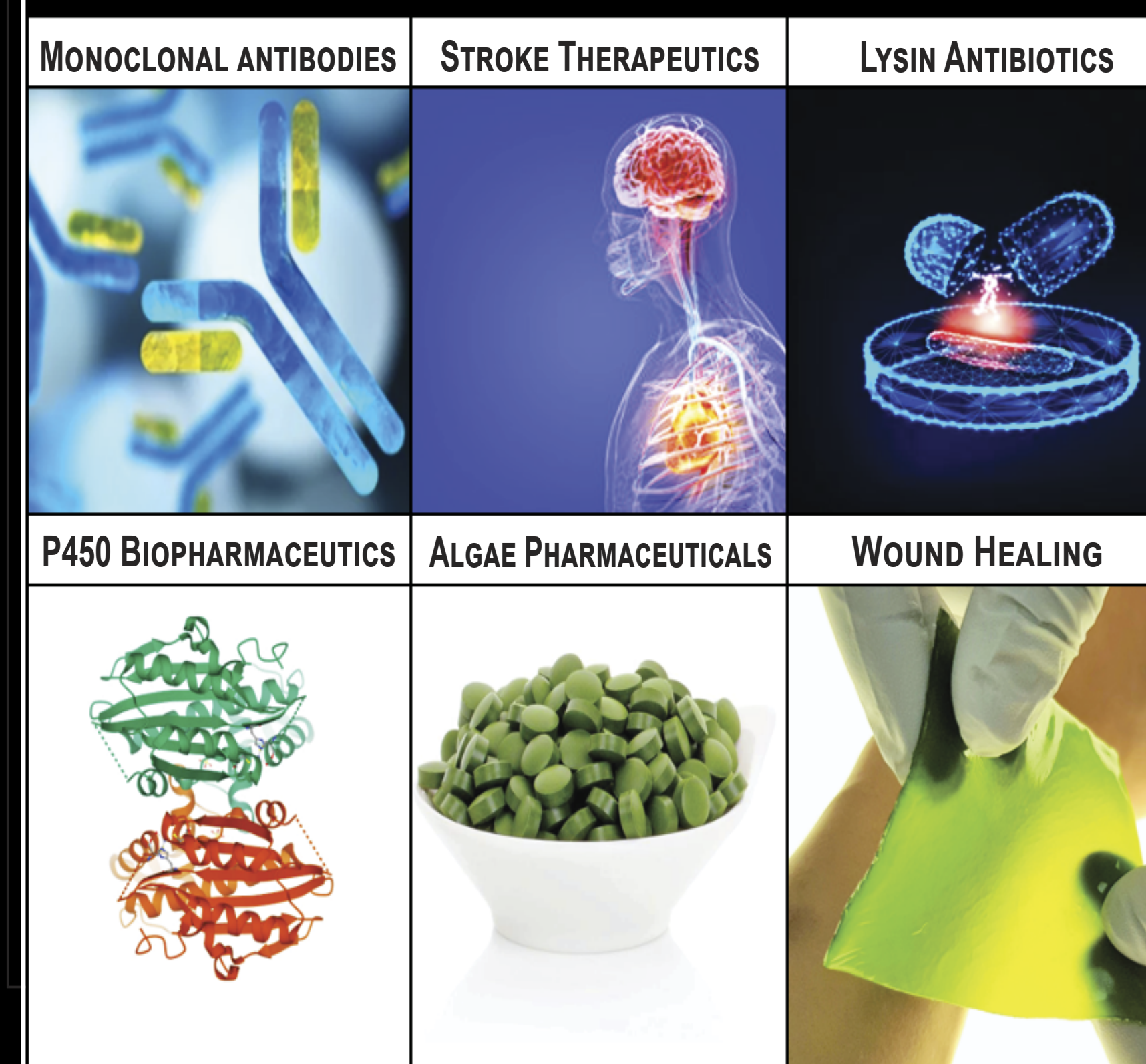
CRYO-ELECTRON MICROSCOPY



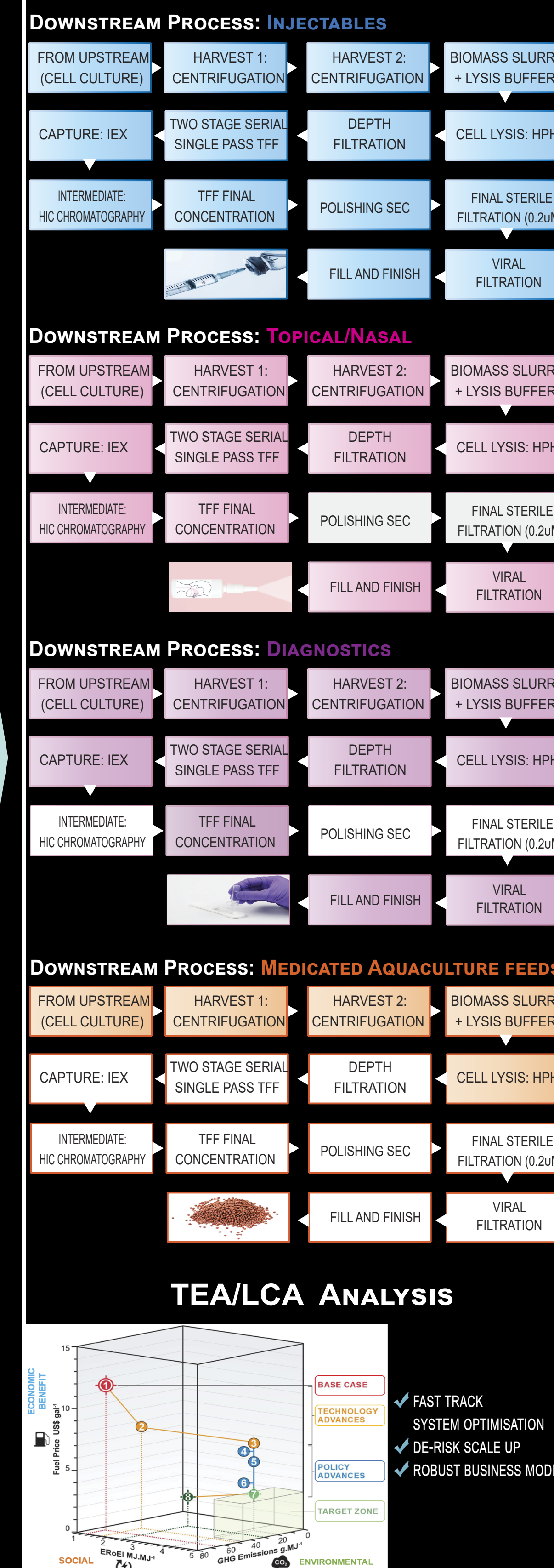
PROCESS OPTIMISATION



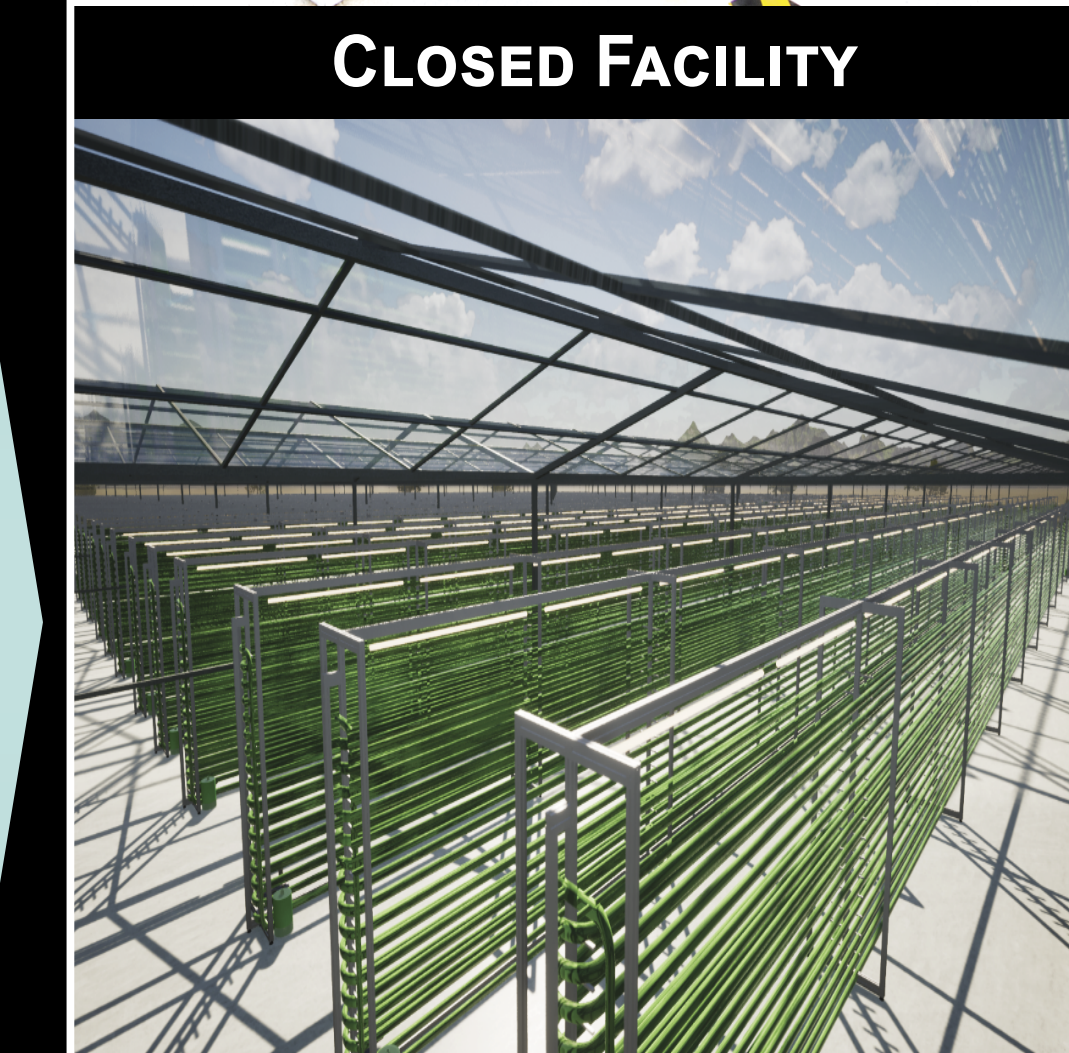
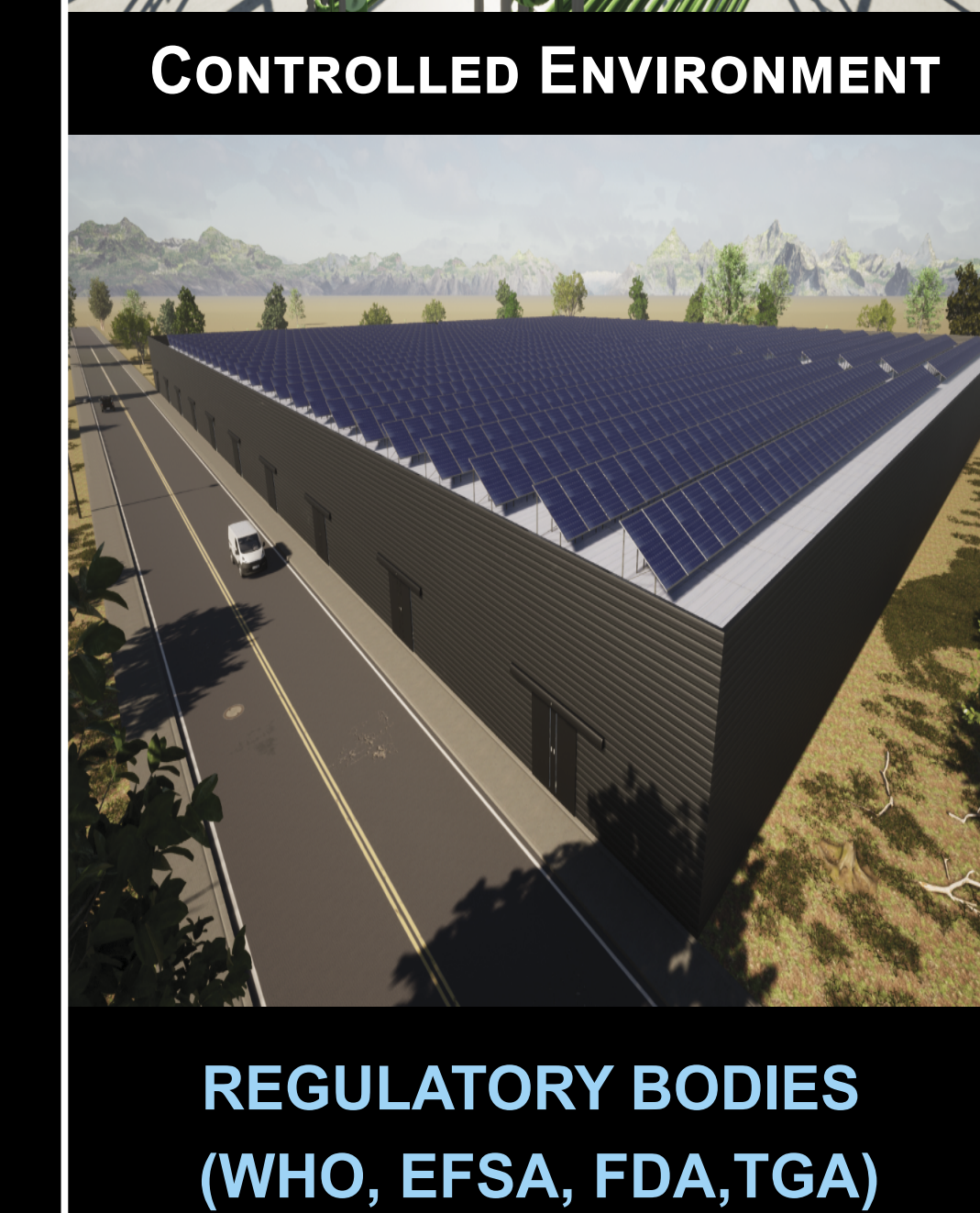
PRODUCTS



BUSINESS MODELLING



SCALE-UP



OUTCOME

