Innovating for a Sustainable Future



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Creating Impact and Sustainable Growth

Committed to Sustainability



Growing Solutions

- Nutrient use efficiency
- Precision agriculture
- Organic fertilizer / Micronutrients
- Biodegradable
- Biostimulants / Microbials
- Low carbon footprint products



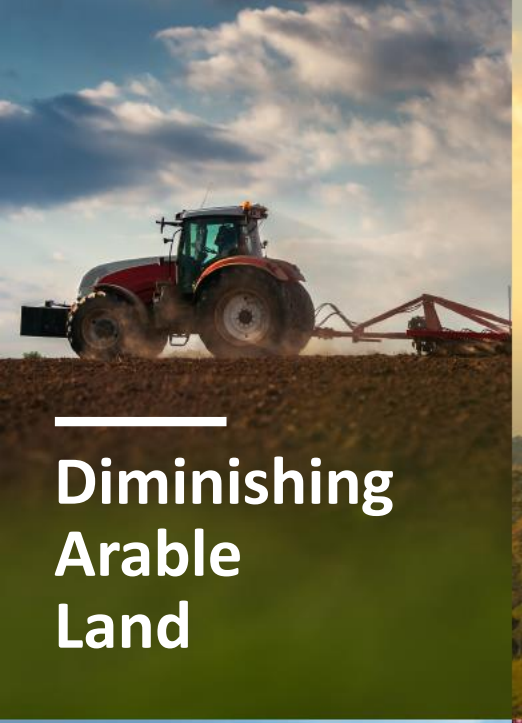
Phosphate Specialties

- LFP
- Alternative proteins
- Shelf-Life
- Sodium Reduction
- Adv. Coating/Anti-Corrosion
- Low carbon footprint products



Industrial Products

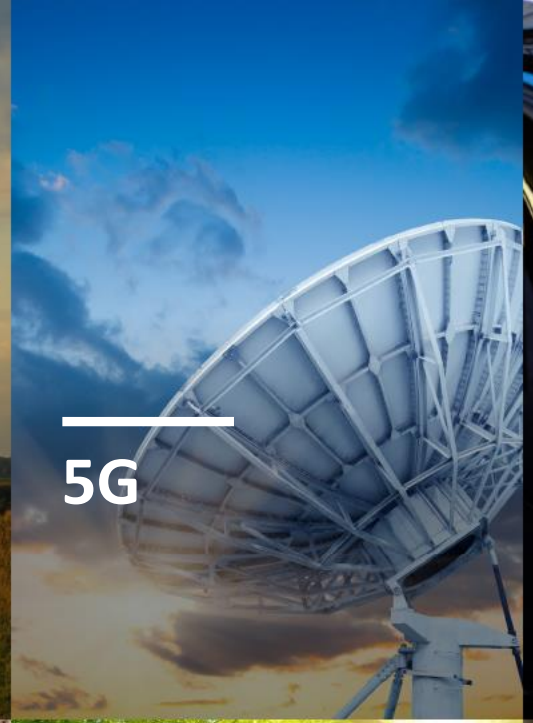
- Electrolytes
- Battery Storage
- Urban Mining
- Recycling innovation
- Non-Toxic Food & Pharma
- Low carbon footprint products



Diminishing Arable Land



Renewable Energy



5G



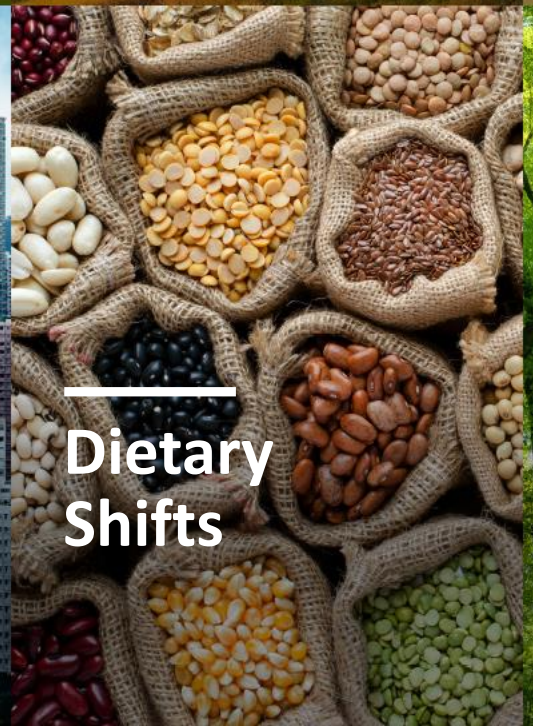
Electrification



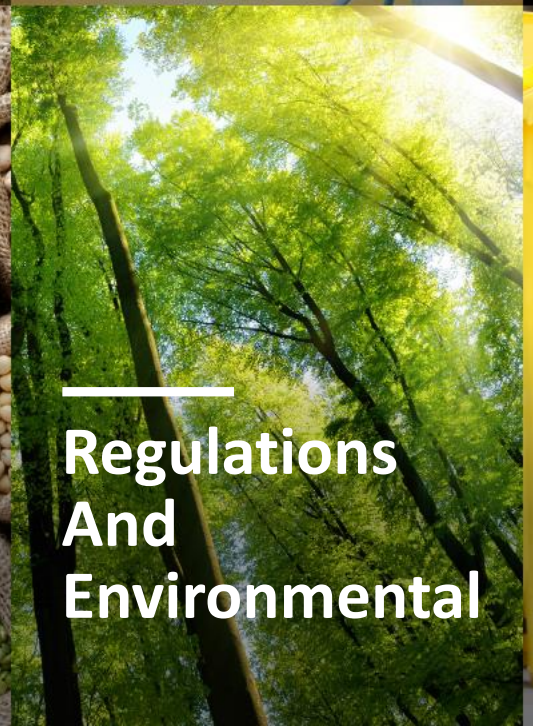
Growing Population



Urbanization



Dietary Shifts



Regulations And Environmental



Circular Economy



Artificial Intelligence

These Drivers create megatrends which are universal trends affecting multiple aspects of our world... resulting in complex overlapping stories of the future



ICL Innovation Domains

Making an impact based on sustainability challenges



Energy Storage Solutions

LFP

Cathode Active Materials

Electrolytes and Additives

Stationary Storage

Battery Recycling



Next Generation Fertilization

Nutrient use efficiency

Biostimulants / Microbials

Organic fertilizer

Micronutrients

Biodegradable

Soil Health



Food Tech/ Alt-Proteins

Alternative Proteins

Functional Ingredients

Clean label Ingredient

Shelf Life

Sodium Reduction

Valorization of waste



Novel Solutions

Recycling innovation

Post Harvest

Non-Toxic Food & Pharma

Adv. Coating/Anti-Corrosion

Signaling molecules

Flame Retardants



Digital Farming/ Ag tech

Agmatix

GROWERS

Sustainability over arching theme across all domains and will drive innovation in new products and platforms

Innovation as a Strategy

INTERNAL INNOVATION

Internal R&D
Business Domain Innovation

BIG
Internal Innovation Accelerator

Industry 4.0 Innovation
Internal Operational Excellence



EXTERNAL INNOVATION

ICL OPEN
Innovation Space & POC collaborations

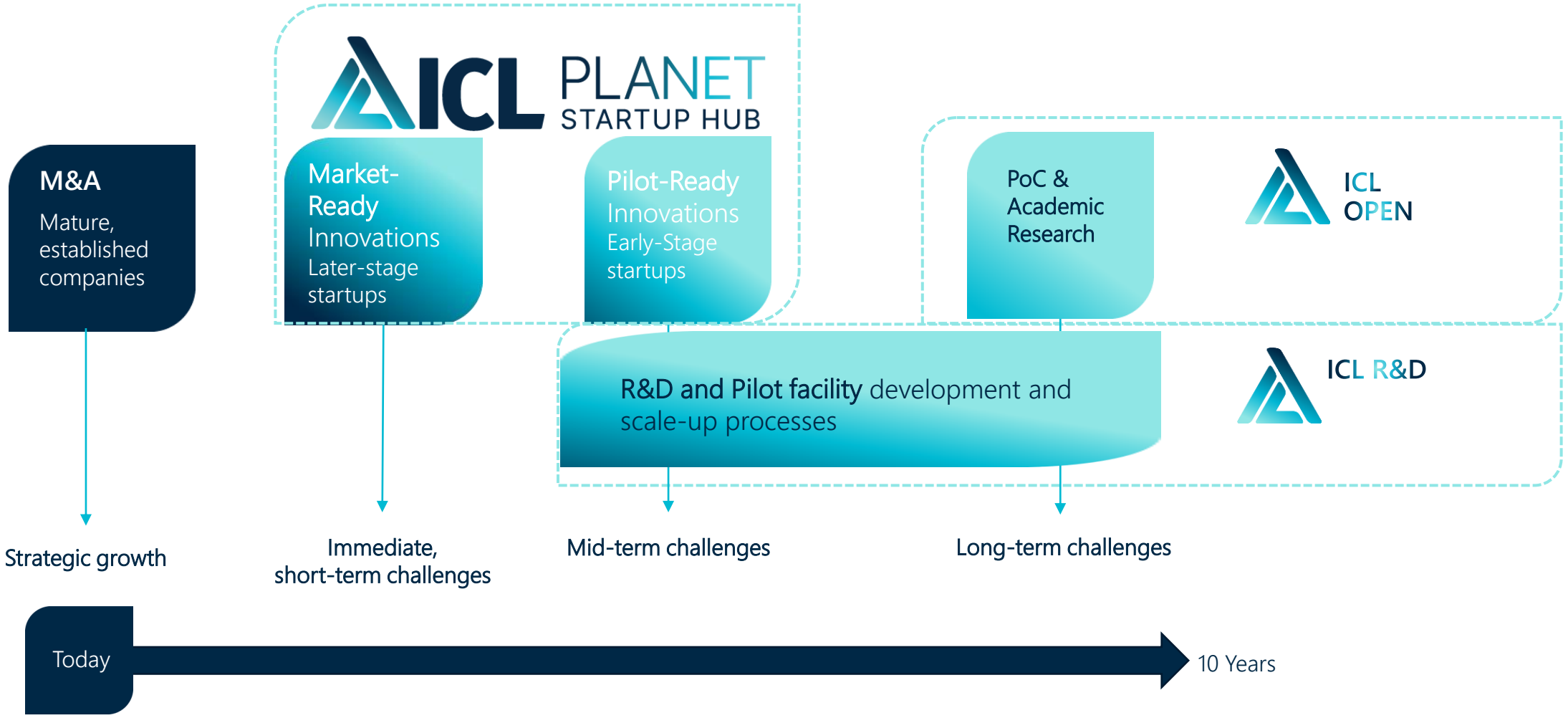
ICL PLANET
Startup Hub & Investments

Strategic M&A
Growth Strategy

Empowering Our Future:
Fusing External and Internal Innovation

We impact with innovation in 4 maturity levels

Tackling challenges from short term to long term



External Innovation Partnerships

ACADEMIA & RESEARCH

אוניברסיטת בן-גוריון בנגב
Ben-Gurion University of the Negev

האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

TECHNION
Israel Institute of Technology

BINGHAMTON UNIVERSITY
STATE UNIVERSITY OF NEW YORK

TEL AVIV UNIVERSITY
אוניברסיטת תל אביב

UNIVERSITY of GUELPH

STARTUPS

lavie bio
better by nature

PlantArcBio

agrematch

protera

plantible

arkeon

1 Energy Storage Solutions

2 Next Generation Fertilization

3 Food Tech/Alt-Proteins

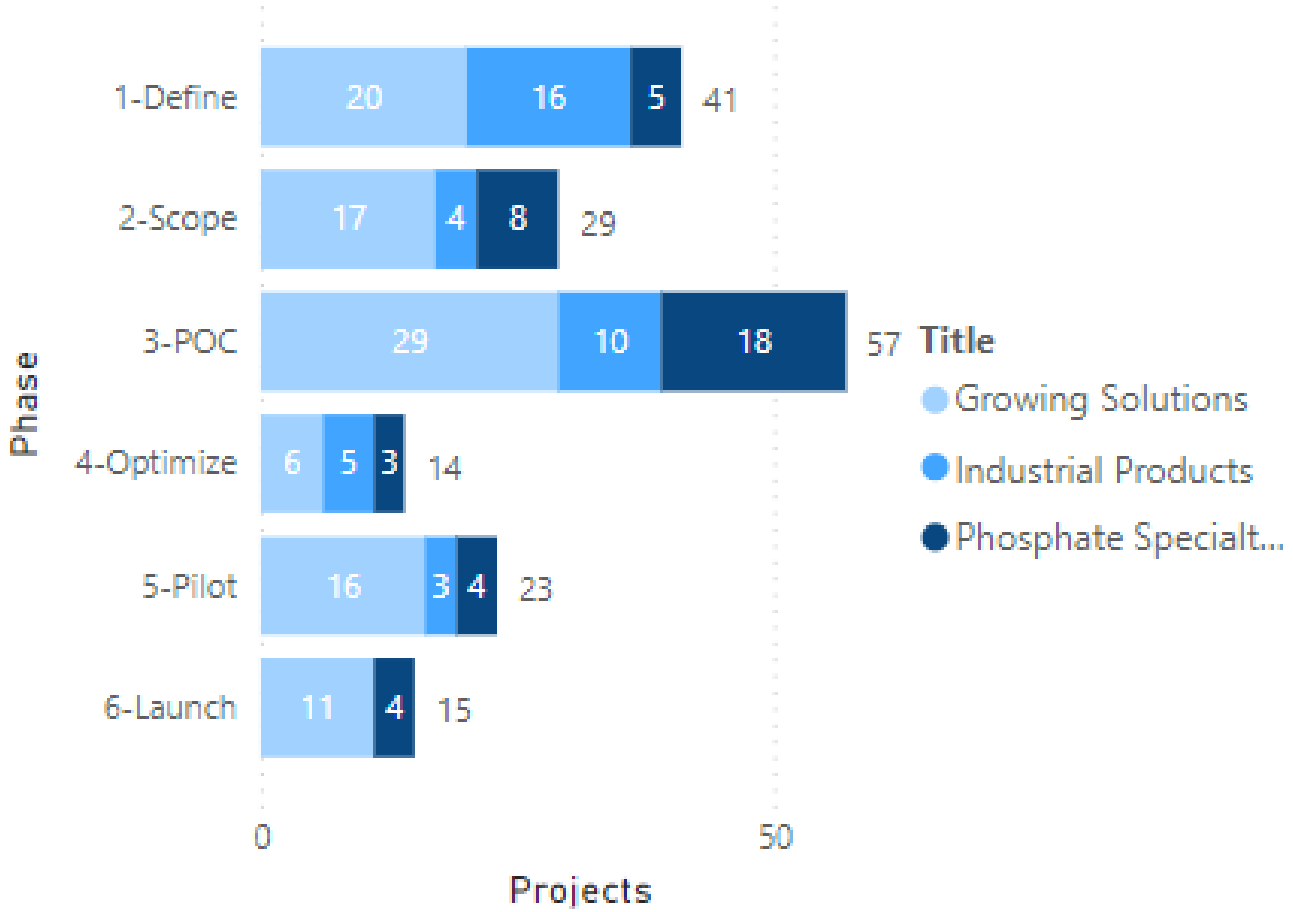
4 Digital Farming/Ag tech

5 Novel Solutions

Key Program Objectives

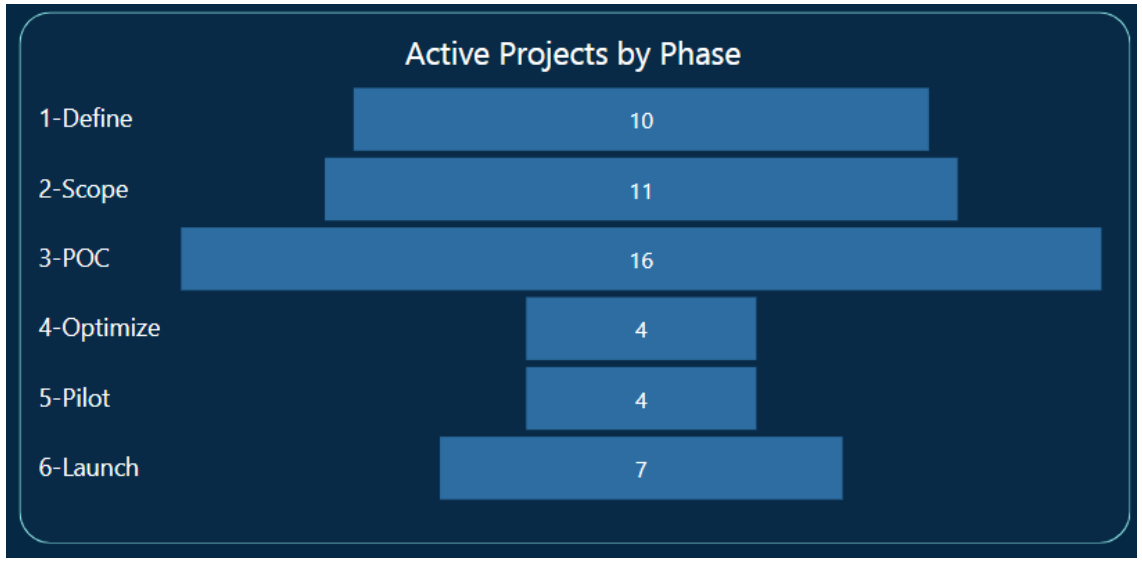


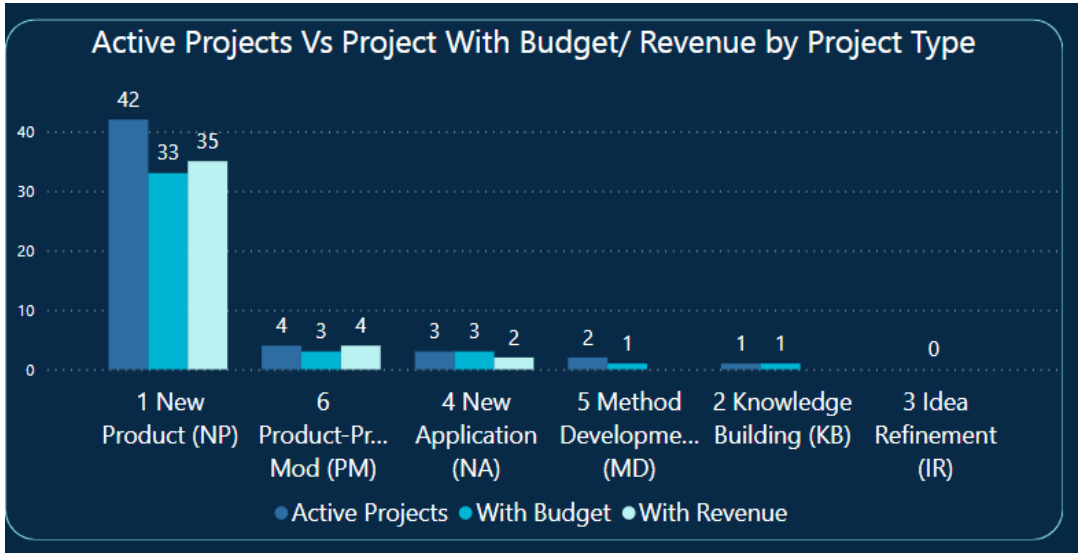
New product and new application project funnel ICL view



Specialty Fertilizers

Active Projects	With Budget	With Revenue	Active Projects Budget
52	41 (79%)	41 (79%)	Year: 2023 — $16.27M







Creating Impactful Solutions

for humanity's sustainability challenges, by leveraging our unique resources and technological ingenuity.

Our Brand Mission

Thank you