



- from sand to soil in 7 hours

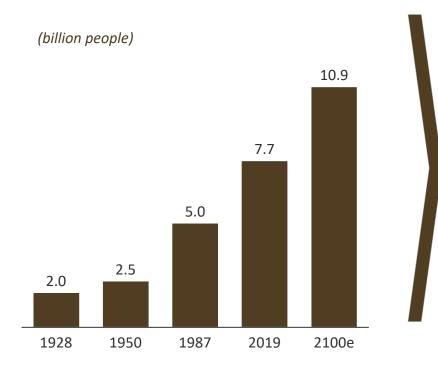


Company Presentation

POPULATION GROWTH DRIVING INCREASED DEMAND FOR FOOD AND WATER

WATER DEMAND EXPECTED TO EXCEED RELIABLE WATER SUPPLY BY 40% IN 2030

INCREASING POPULATION...



... NEEDS MORE FOOD AND WATER...

Food production required to increase by

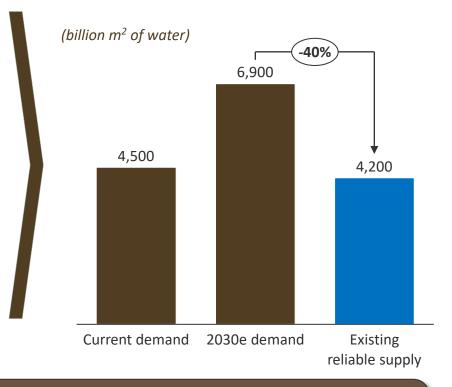
60-70%

by 2050 and water demand estimated to increase by

50%

to feed the growing population

...WATER SHORTAGE EXPECTED TO BE SUBSTANTIAL



By 2025, 1.8 billion people will experience absolute water scarcity, and 2/3 of the world will be living under water-stressed conditions





UNITED NATIONS HAS DECLARED DESERTIFICATION AND LAND DEGRADATION THE GREATEST ENVIRONMENTAL CHALLENGE OF OUR TIME

110

Countries exposed to desertification and land degradation

20%

Of Earths drylands degraded

1.3Bn

People trapped on degrading agricultural land

52%

Of agricultural land affected by soil degradation

12m

hectares productive land becomes barren every year

<60 years

Farming left at current degradation rate

\$490Bn

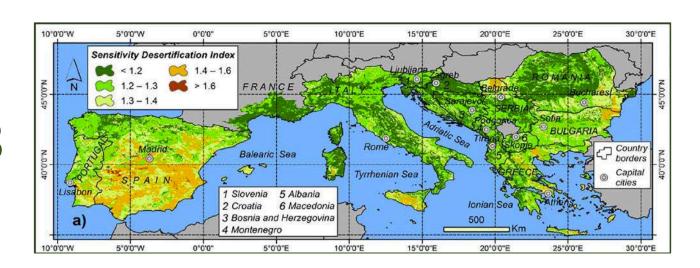
annual cost world-wide



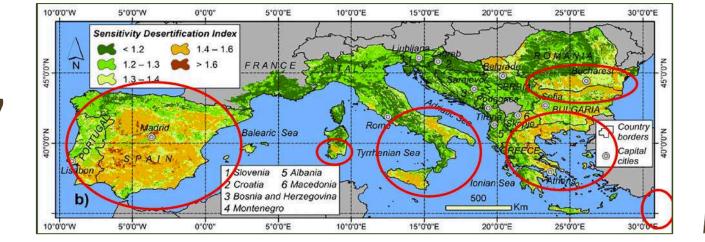


PROBLEM - IMPACT WAY BEYOND THE "TRADITIONAL DESERTS"

2008



2017



59% of territory with a higher or medium sensitivity to desertification



74% of territory at risk of desertification



+50% of mainland at risk of desertification



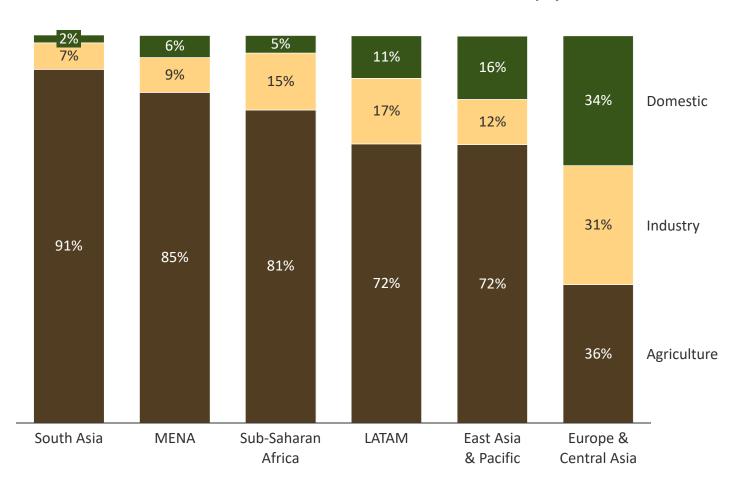
99% of territory vulnerable to desertification



70% OF FRESHWATER IN THE WORLD IS USED FOR AGRICULTURE

CURRENT APPROACHES IN AGRICULTURE YIELD LOW WATER EFFICIENCY GAINS

SHARE OF FRESHWATER WITHDRAWLS BY SECTOR (%)



- The shortfall between demand and supply of water is estimated to be 40% by 2030
- Approx. 1/3 of the population will live in areas where the deficit is >50%
- The agriculture industry represents the single largest consumer of water in the world, accounting for ~70% of water withdrawals
 - Water challenges are therefor closely tied to food provisions and trade

DESERT CONTROL'S LNC TREATMENT IS PART OF THE SOLUTION

ENRICHES THE FERTILITY CAPABILITY IN DESERT SAND – LOWER WATER USAGE AND IMPROVED SOIL HEALTH

1. UNIQUE FORMULATION PROCESS

Clay is processed into a liquid compound

2. SPRAY ON

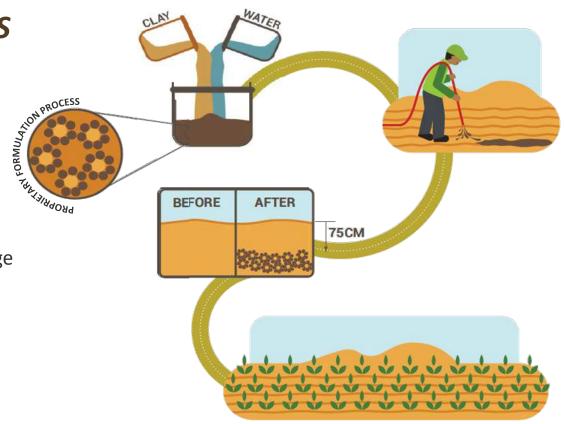
Applied directly to sand or arid soil

3. EFFECT

Forms a soil structure that retains water like a sponge

4. RESULT

- 20-50% water and fertilizer savings
- Increased crop yields and carbon uptake



PATENTED PROCESS BASED ON 12 YEARS RESEARCH

LIQUID NATURAL CLAY («LNC»)

PREMISE

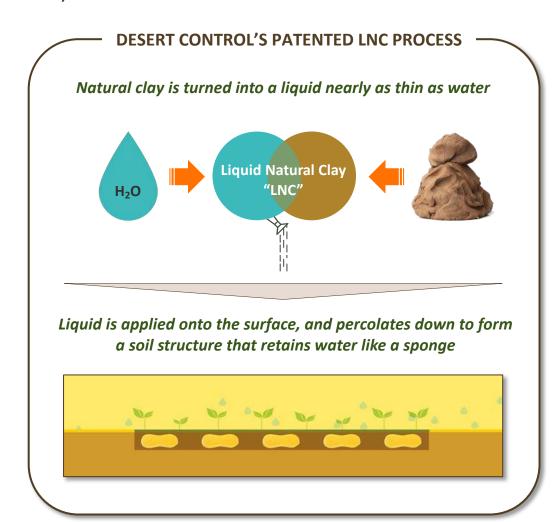
Clay-rich soil retains water effectively and has high resilience to droughts



Working clay into the soil, however, is challenging



Up to 100 kg of clay needed per m²



KNOWLEDGE BASED STRATEGY -

- Each clay type has unique properties
- Different soils require custom liquid compositions
- Plants have different preferences

LNC is made scalable:

- Automation
- Formulation
- Data Analytics
- AI & Machine Learning



Unique nano-technology reduces the clay consumption from 100 kg to less than 1 kg per m2

PROVEN, VALIDATED AND PATENTED

MULTI-YEAR FIELD TRIALS

EGYPT - BEFORE AND AFTER APPLICATION OF LNC





UAE, AL AIN AFTER APPLICATION OF LNC



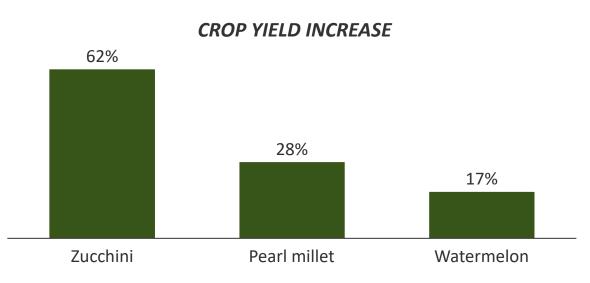
SCIENTIFIC ACCREDITATION BY ICBA



THE RESULTS – UAE DESERT EXAMPLE



- ✓ Less than 1kg of clay per m²
- √ Water and fertilizer savings (20-50%)
- ✓ Increased crop yields (17-62%)
- ✓ Improved soil, biodiversity, and carbon uptake



UNIQUE PRODUCT OFFERING WITH NO DIRECT COMPETITOR

SUBSTITUTES AND OTHER METHODS FOR SOIL ENHANCEMENT ARE INTRUSIVE, TIME CONSUMING AND COSTLY

DESERT CONTROLS LNC PROCESS IS THE ONLY NON-INTRUSIVE SOIL ENHANCEMENT OPTION

INTRUSIVE

(mechanical/manual intervention)



Solid form soil amendment

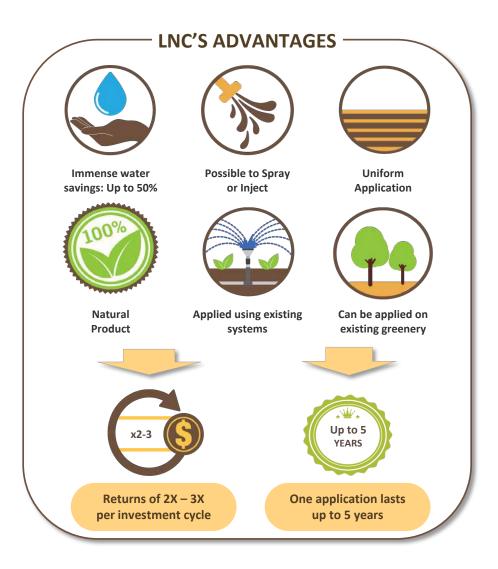
NON-INTRUSIVE

(self-percolating into the soil)



Liquid soil amendment

Intrusive soil enhancement treatments are costly, time consuming and to a large extent less effective



RECOGNIZED AS "ONE TO WATCH" IN VARIOUS CLIMATE-TECH COMPETITONS

AS WELL AS STRONG INTEREST FROM MEDIA



Katerva Awards 2020 Winner

(Referred to by Reuters as the Nobel Prize of Sustainability)



CleanTech Top-50 to watch innovations for 2021





Mastercard Lighthouse MASSIV Winner of 2020 Program



GreenTech Challenge 2019 Winner (BCG, KPMG, GTC)



World Economic Forum (*Top 100 Start-up Award 2019*)



Start-up of the year, UAE (Arabian Business Awards)



>70 EDITORIAL COVERAGE IMPRESSIONS OVER LAST 2 YEAR



































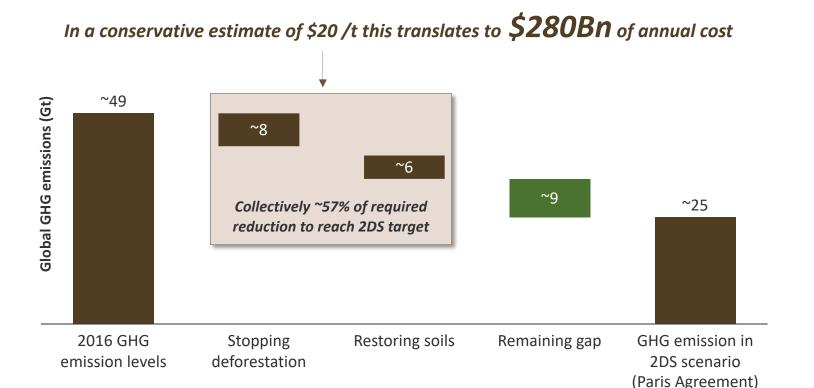




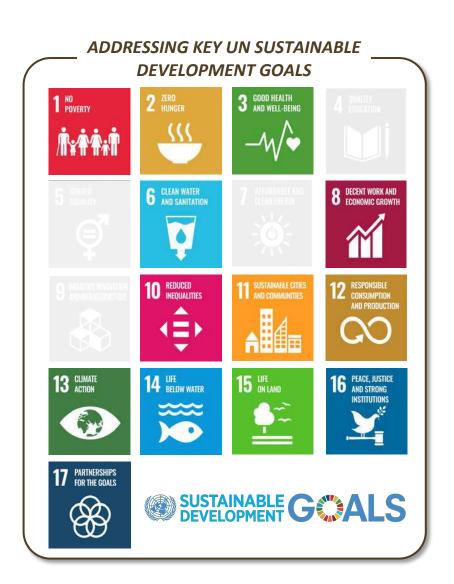


LNC IS EXPECTED TO PLAY A VITAL ROLE IN SUSTAINABLE DEVELOPMENT

FROM BOTH A FINANCIAL AND AN ESG PERSPECTIVE

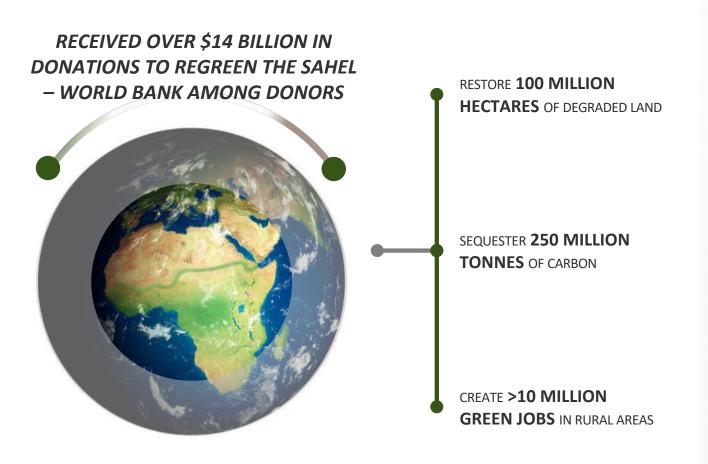


Stopping deforestation, restoring forests and improving forestry practices could costeffectively remove **7 billion** metric tons of carbon dioxide annually – equivalent to
eliminating **1.5 billion** cars, more than all of the cars in the world today



LNC IDENTIFIED AS A POTENTIAL IMPACT SOLUTION BY THE UNITED NATIONS

THE GREATEST CHALLENGE OF OUR TIME: THE GREAT GREEN WALL





FIRST BATCH-PRODUCTION PROTOTYPE CURRENTLY IN FIELD TESTING

FIELD TEST INITIATED IN Q1 2021 – COMMERCIAL SCALE UP EXPECTED IN H2 2021

FIELD TESTING INITIATED

LNC batch-production prototype



Field testing ahead of customer projects started in Q1 2021

OTHER PROTOTYPES UNDER DEVELOPMENT



Prototype technology for continuous ultra-high volume LNC production under development

Various prototypes for precision injection of LNC for landscaping application under development



DESERT CONTROL HAS A NUMBER OF ONGOING CUSTOMER PILOT PROJECTS

LANDSCAPING





AGRICULTURE









INITIAL MARKET ENTRY IN UNITED ARAB EMIRATES («UAE»)

FOLLOWED BY GEOGRAPHIC EXPANSION TO THE UNITED STATES AND OTHER KEY MARKETS



UAE – HIGHLY ATTRACTIVE MARKET FOR PRODUCT LAUNCH

Strategic location as a hub towards other MENA countries...



...and significant contributor to various ESG initiatives



Key rationale

- Desert Control is an EXPO 2020 Partner
- ✓ Significant developed opportunities for the landscaping and commercial greenery segment
- ✓ Strong demand driven growth in agriculture and food production (more than 38.000 farms)
- ✓ Huge initiatives related to Urban Development and other Government Impact Programs ramping up
- ✓ Large addressable market (incl. opportunities in neighboring countries)



Desert residents have been saving a lot of water. Farms and



More: Regulators ordered Californians to use 25% less water. Desert golf courses cut back 8%.

Galfars putt on one of the greens at The Galf Club at La Galinta, Aure B, 2018.

Aguilfer at Risks: Heavy pumping strains desert water supply

More: Regulators ordered Californians to use 25% less water. Desert galf courses cut
back 8%.

But Sneed said the increasing amounts of water flowing into the replenishment ponds
in La Quitats since 2000 have made a high difference in boosting aquifer levels in many
areas and preventing the ground from sinking.

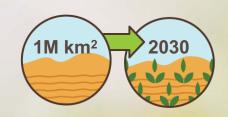
"Montly, I don't bring good news to anybody. So, this is a nice case. This is the one
study that The wonded on personally where the trends are improving," said Sneed,

Key rationale

- One of the largest agricultural producing countries in the world
- Significant water scarcity in key agriculture hot spots (e.g. California, Arizona, Florida)
- Increasing regulations related to water usage for landscaping

MAKING EARTH GREEN AGAIN

to foster the prosperity of life



Cultivate and green
100 Million Hectares
of degraded land and
desert by 2030







Contribute to sustainable social impact, immense water savings and balanced climate with carbon sequestering



Establish a social impact initiative throughout Sub Sahara by 2025 to reduce poverty and hunger