WHEN PRODUCTION SITE RUNS OUT...

EXPERIENCE OF LAFLORA LTD.

DR. GEOL. ILZE OZOLA

- LVMI SILAVA
- LAKE AND PEATLAND RESEARCH CENTRE
- LATVIAN NATIONAL PEAT SOCIETY

Conference and festive reception
Estonian Peat Association 30

„Industry and economy in changing world“

December 1, 2022

“WHEN NOTHING IS SURE, EVERYTHING IS POSSIBLE”

LAFLORA: BIGGEST LATVIAN PEAT EXTRACTOR

- IN THE SECTOR FROM 1995
- PEAT EXTRACTION, PRODUCTION OF PEAT SUBSTRATE AND PRODUCTS FOR HORTICULTURE AND FORESTRY (FOOD PRODUCTION, CULTIVATION OF ORNAMENTAL PLANTS AND PLANTS)
- 90% EXPORTS TO ~ 100 COUNTRIES
- TURNOVER, 2021: 22.2 million EUR
- TAXES, 2021: 3.4 million EUR
- EMPLOYEES, 2021: 290

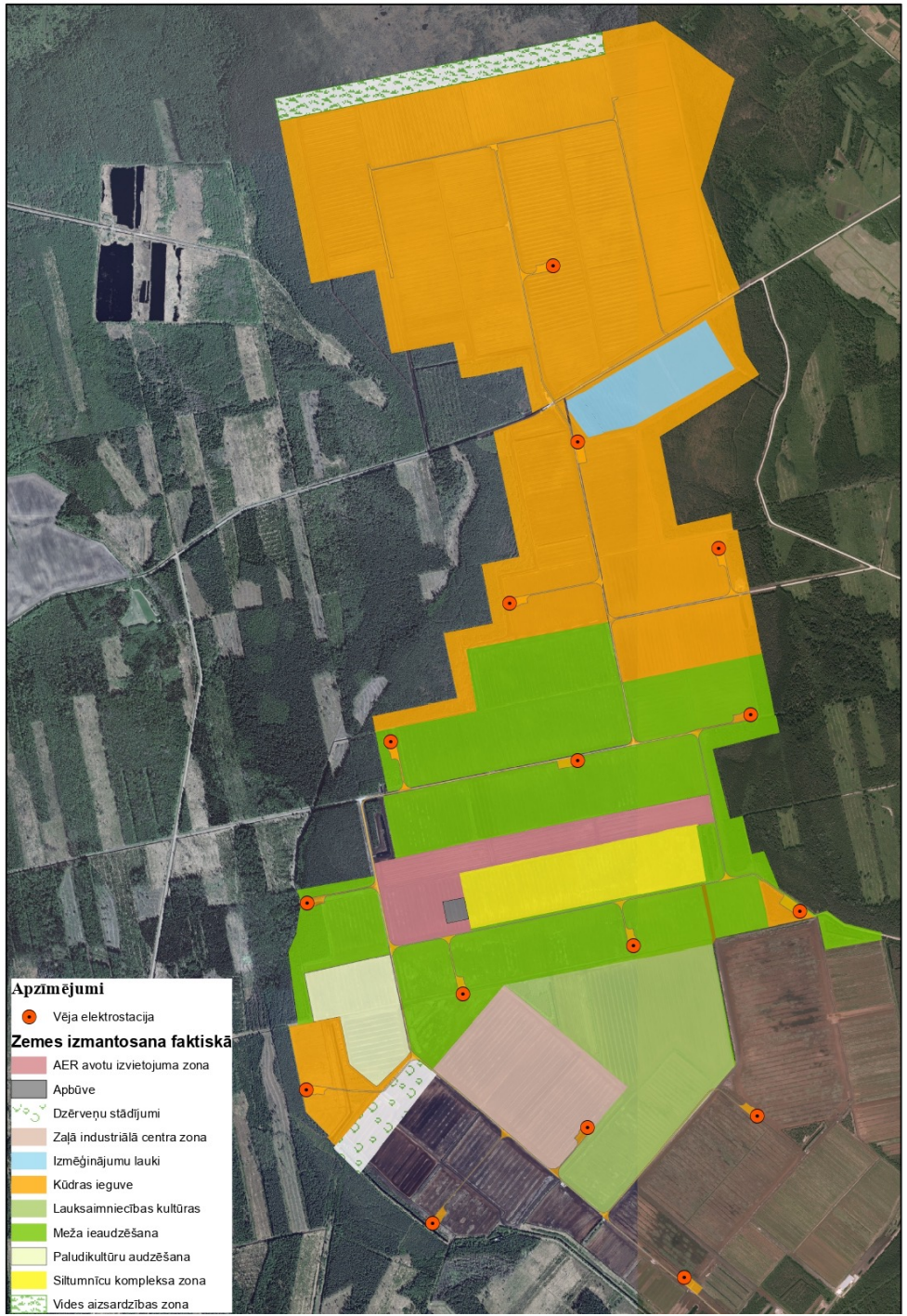
LAFLORA GREAN DEAL: PEATLAND HARVESTING

- RESPONSIBILITY FOR THE MANAGEMENT OF LANDS, BOG AREAS FROM RESOURCE EFFICIENCY TO POST-USE OF THE BOG, THROUGH ENVIRONMENTAL AND COMPENSATORY IMPACTS.
- LAFLORA SEES PEATLAND HARVESTING AS A SEPARATE ECONOMIC SECTOR.
- THE POTENTIAL OF THIS TYPE OF LAND SHOULD BE IDENTIFIED AS NATURAL CAPITAL WITH SOCIO-ECONOMIC CONTRIBUTION.
- THE MOST EFFICIENT USE OF THE PEAT BOG AS LAND CAPITAL IN THE INTERESTS OF THE OWNER AND THE STATE MUST DEFINE THIS SECTOR IN TERMS OF BIOECONOMY, CIRCULAR ECONOMY AND CLIMATE CHANGE

RECULTIVATION: PRIVATE VS PUBLIC

- WHEN TAKING A DECISION REGARDING THE USE OF THE PEAT BOG FOR THE EXTRACTION OF PEAT, A DECISION REGARDING THE AFTER-USE OF PEATLAND SHALL BE TAKEN AT THE SAME TIME, AS PROVIDED IN REGULATORY ENACTMENTS.
- LAND OWNER DECIDES RECULTIVATION TYPE AFTER PEAT EXTRACTION.

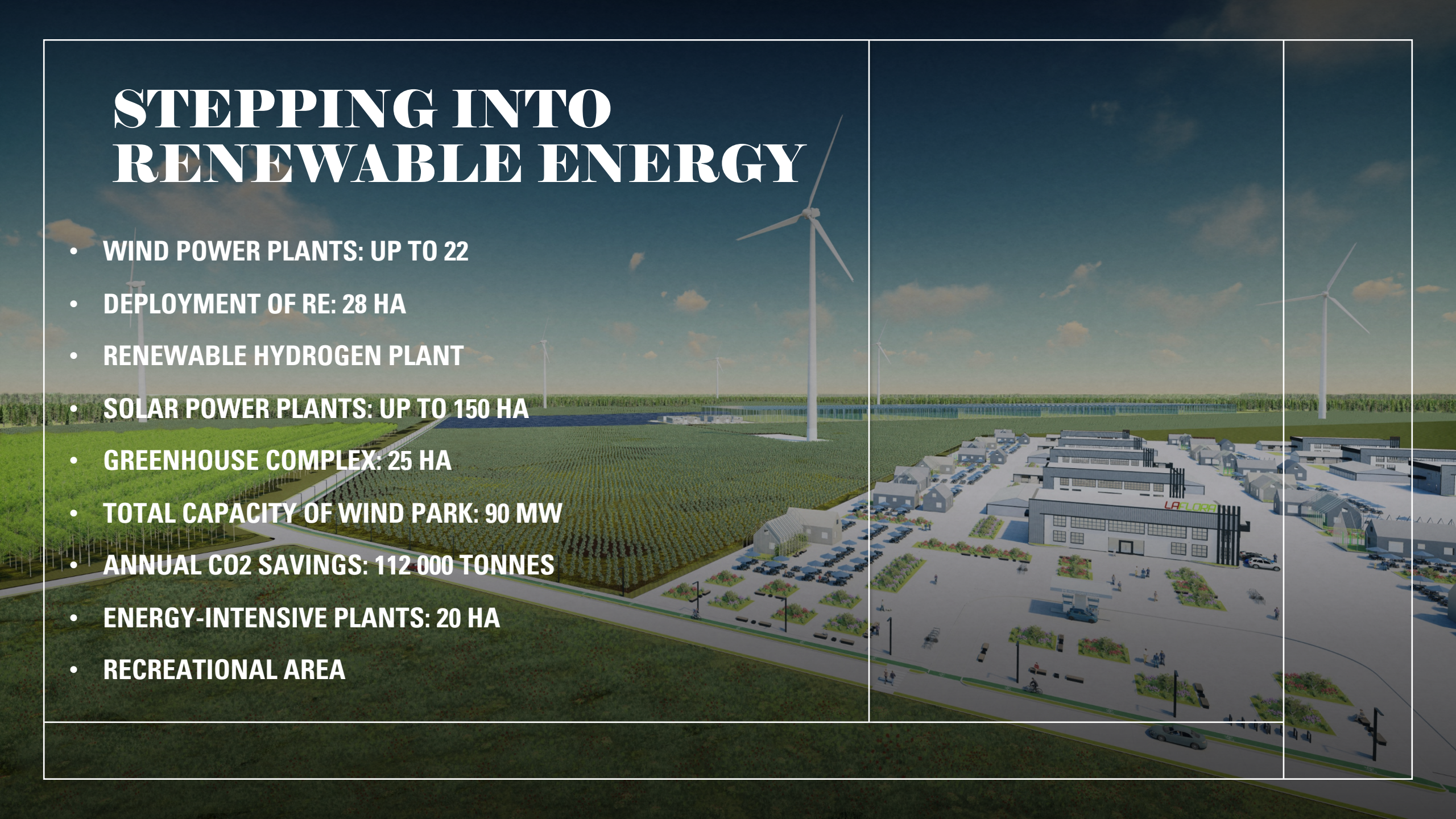
**CABINET OF MINISTERS OF LATVIA REGULATIONS NR. 570*



WHAT WE HAVE DONE

STEPPING INTO RENEWABLE ENERGY

- WIND POWER PLANTS: UP TO 22
- DEPLOYMENT OF RE: 28 HA
- RENEWABLE HYDROGEN PLANT
- SOLAR POWER PLANTS: UP TO 150 HA
- GREENHOUSE COMPLEX: 25 HA
- TOTAL CAPACITY OF WIND PARK: 90 MW
- ANNUAL CO2 SAVINGS: 112 000 TONNES
- ENERGY-INTENSIVE PLANTS: 20 HA
- RECREATIONAL AREA



FIRST STEP: WIND PARK

2017 - 2018
- EIA (Environmental impact assessment)
- Booking of the grid

2021
- EIA approved
- Spatial planning
- Detailed technical solutions

2023 - 2024
- Technial designs
- Construction

2015 - 2016
- Initial assessments

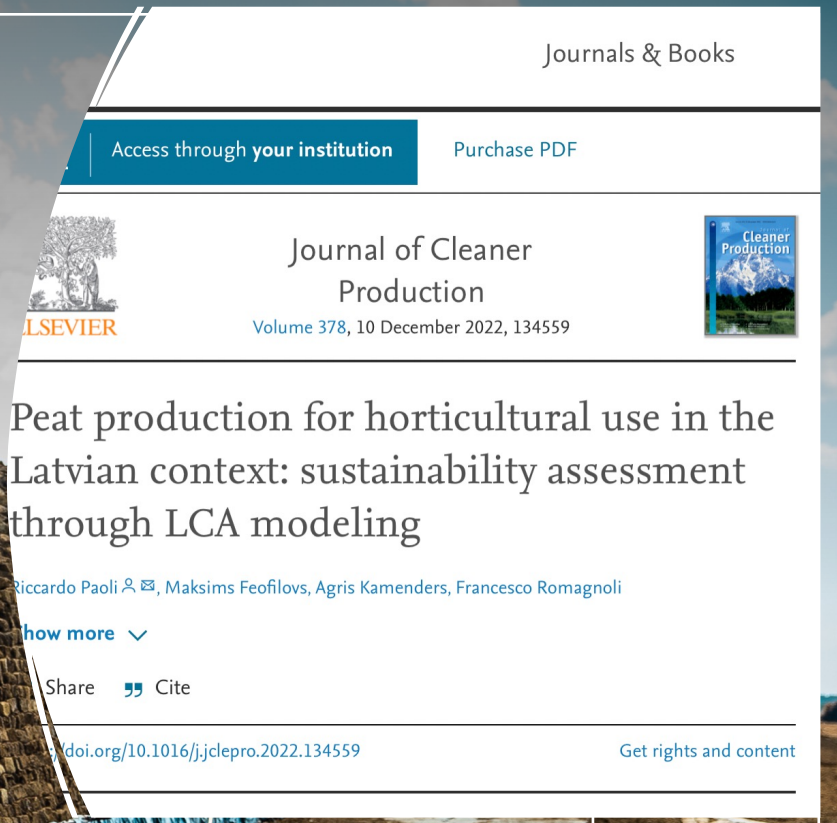
2019 - 2020
- Detailed EIA
- All land rights fixed

2022
- Spatial planning approved
- Building permits

2025
- Commissioning, start of operation

ON OUR WAY TO CLIMATENEUTRALITY INCLUDES:

- SCIENCE-BASED RESEARCH
- CARBON STORAGE
- COMPENSATORY MEASURES:
  - USE OF AER IN SELF-CONSUMPTION
  - PRODUCTIVITY OF PRODUCTION PROCESSES
  - RECULTIVATION BY DEVELOPMENT OF PLANTATION AREAS
  - PRODUCTION OF INNOVATIVE PRODUCTS WITH HIGHER CARBON SEQUESTRATION CAPACITY
  - OPTIMISATION OF TECHNOLOGICAL PROCESSES



OUR GOAL

- TO BECOME PILOT-PROJECT INDUSTRIAL AREA IN OUR REGION, WHICH IMPLEMENTS GREEN CERTIFICATION/LABEL
- TO BALANCE AND COMPENSATE MAIN PRODUCTION (PEAT EXTRACTION AND PRODUCTION OF AGRICULTURAL PEAT PRODUCTS) IN SYNERGY WITH RENEWABLE ENERGIES AND TECHNICAL SOLUTIONS FOR REDUCTION OF EMISSIONS
- ESTABLISH COOPERATION WITH REGIONAL MANAGEMENT, TO LINK USAGE OF RENEWABLE ENERGY RESOURCES IN PUBLIC ADMINISTRATION SERVICES SUCH AS PUBLIC TRANSPORT, WASTE MANAGEMENT, ETC.

THANK YOU! QUESTIONS?

PostDoc Latvia

NACIONĀLAIS ATTĪSTĪBAS PLĀNS 2020

EIROPAS SAVIENĪBA
Eiropas Reģionālās attīstības fonds

IEGULDĪJUMS TAVĀ NĀKOTNĒ

Project No.1.1.1.2/VIAA/4/20/683