CENTRAL HUB OF OCSIAI IN THE GRAND DUCHY OF LUXEMBOURG



carbon nanomaterials for the global industry

CARBON NANOTUBES

Hexagonal structure of a single carbon layer, rolled to a tube

Excellent Conductor	Stronger than steel	Thermal stability	The highest length to diameter ratio
5 times lighter than copper	100 times	up to 1000°C	up to 5 000 times

SWCNT enable to enhance electrical conductivity and mechanical properties of materials.

Graphene

TUBALLTM



90% OF GLOBAL PRODUCTION

С

MASS-PRODUCED SWCNT

1 st

CARBON NANOTUBES: APPLICATIONS

SWCNT (0.01-0.2%) enable to enhance the properties of 70% of all materials



LEADING GLOBAL MANUFACTURER 90% OF SWCNT MARKET SHARE IN 2016

4 200 150+ SQM EQUIPMENT ITEMS

300 PEOPLE

PhD SCIENTISTS

C

TUBALL™ PROTOTYPING CENTRE: 6 INNOVATIVE TECHNOLOGIES

TRANSPARENT ELECTRODES

THERMOPLASTICS

THERMOSET COMPOSITES

SWCNT PROPERTIES

ENERGY SOURCES

ELASTOMERS

OCSIAI LOCATIONS



OCSIAL NEW FACILITY DIFFERDANGE







PROJECT IN LUXEMBOURG

250 ton/year capacity working places: 150-200 total 30-50 at R&D center

R&D Center TOP level

Luxembourg

Differdange

80-100M EUR

PROJECT EXECUTION STAGES

STAGE 3: **2×50 TONS/YEAR** 2022 Q1

STAGE 2: **2×50 TONS/YEAR** 2021 Q2

STAGE 1: 50 TONS/YEAR AND R&D CENTER 2020 Q1

THANK YOU!

