



STRENGTHENING MAZOVIAN MULTIFUNCTIONAL
COMPOSITE ECOSYSTEM THROUGH A HOLISTIC
APPROACH AND A STRATEGIC ALLIANCE WITH
EUROPEAN LEADERS

TWINNING PROJECT AIMED TO IMPROVE RESEARCH EXCELLENCE OF POLISH COMPOSITE
ECOSYSTEM AND TO CREATE SUSTAINABLE NETWORK WITH LEADING EU UNIVERSITIES



TECHNOLOGY
PARTNERS
FOUNDATION

POLAND



AIR FORCE
INSTITUTE OF
TECHNOLOGY

POLAND



WARSAW UNIVERSITY OF
TECHNOLOGY
FACULTY OF MATERIAL SCIENCE AND
ENGINEERING

POLAND



DELFT UNIVERSITY OF
TECHNOLOGY
DEPARTMENT OF AEROSPACE
STRUCTURES AND MATERIALS

THE NETHERLANDS



DRESDEN UNIVERSITY OF
TECHNOLOGY
INSTITUTE OF LIGHTWEIGHT ENGINEERING
AND POLYMER TECHNOLOGY (ILK)

GERMANY

JOINT EXPLORATORY RESEARCH

STAFF EXCHANGES AND EXTERNSHIPS

TECHNICAL TRAININGS FOR YOUNG RESEARCHERS

RESEARCH MANAGEMENT CAPACITIES
AND ADMINISTRATION WORKSHOPS

CREATION OF SUSTAINABLE NETWORK WITH
JOINT LONG-TERM RESEARCH STRATEGY

PROJECT RESEARCH FIELD: FIBER-REINFORCED POLYMER
MULTIFUNCTIONAL COMPOSITES AND SMART STRUCTURES

RESEARCH CAPABILITY 1:
DEVELOPMENT OF SELF-DIAGNOSTICS
CAPABILITIES OF THE COMPOSITE

RESEARCH CAPABILITY 2:
EMBEDDING PZT SENSORS, ENCAPSULATED IN
VELIS, IN THE COMPOSITE STRUCTURE

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