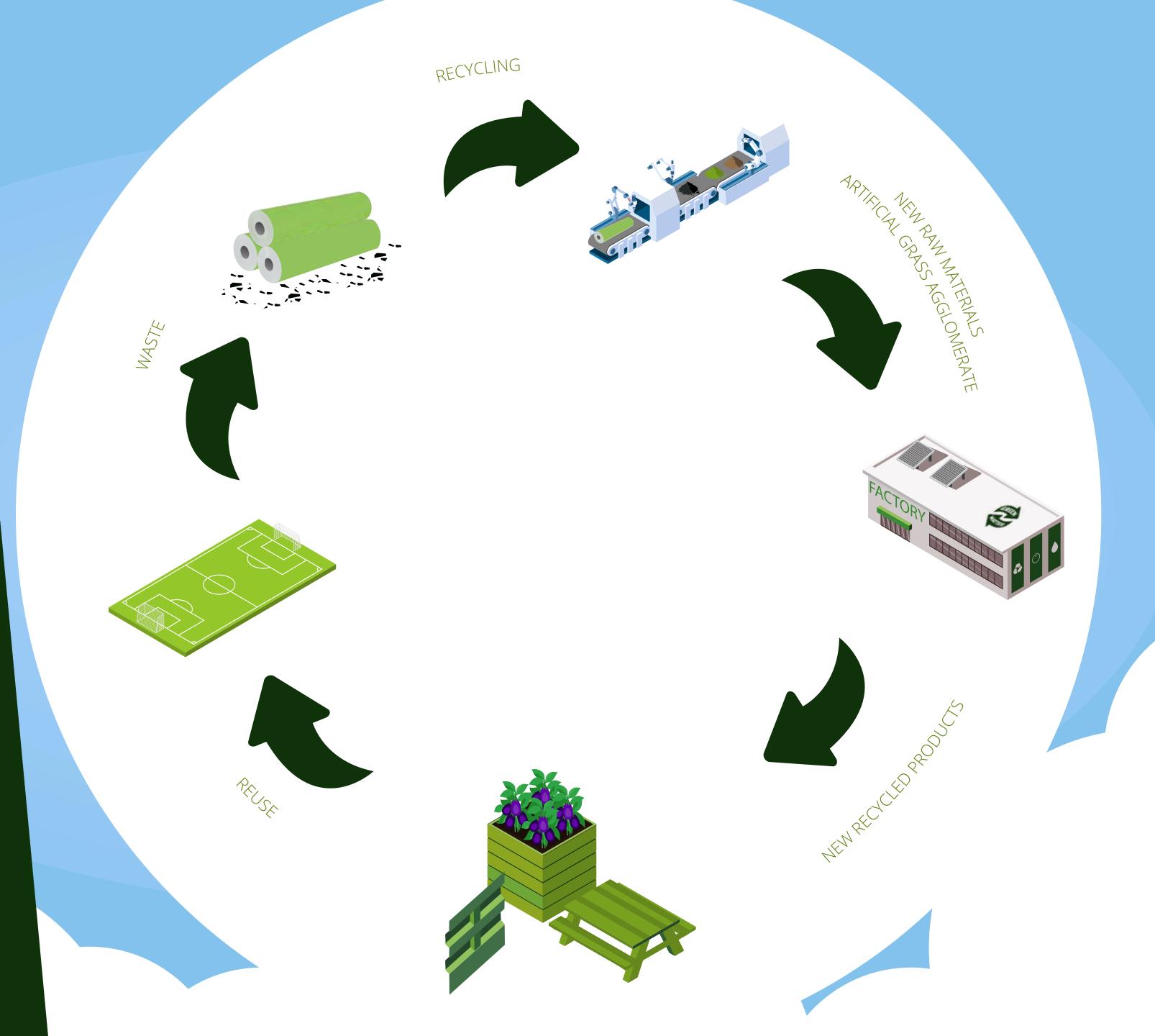




GREENMATTERS

ROAD TO A GRENER PLANET

HOW DO WE GET TO A GREEN AND CIRCULAR ECONOMY TOGETHER?



OVER GREENMATTER

Since 1975, Lankhorst Engineered Products has been active in making innovative products based on recycled plastics. These products contribute to a cleaner environment because they are made of recycled plastics, are not impregnated and therefore do not release toxic substances into the environment. At the end of their lifecycle, the products can always be recycled again. Plastic waste thus finds a new and long-lasting lifecycle, for example as a bridge, fishing pier or shoring.















ABOUT GREENMATTER

RECYCLE THE PRESENT, SAVE THE FUTURE!

GreenMatter is a joint venture between W&H Sports and Lankhorst Engineered Products and has set itself the goal of tackling the waste mountain of artificial grass pitches by developing and producing products from recycled artificial grass from worn-out artificial pitches. When artificial grass pitches are replaced, waste is created and we try to make this a circular process with an extensive delivery programme.

LABEL:
MONITORING RECYCLATES FOR EUROPE



MEMBER OF..
EMEA SYNTHETIC TURF COUNCIL







EMPATEC

For any processing and assembly of our GreenMatter products, we use the services of Empatec. Empatec is a social work company for people with a distance to the labour market.







ARTIFICIAL TURF PITCHES ARE BEING PROCESSED



RECYCLE

SETTING IN MOTION THE REUSE RAW MATERIALS

RE-USE

APPLY CIRCULAR PRODUCTS

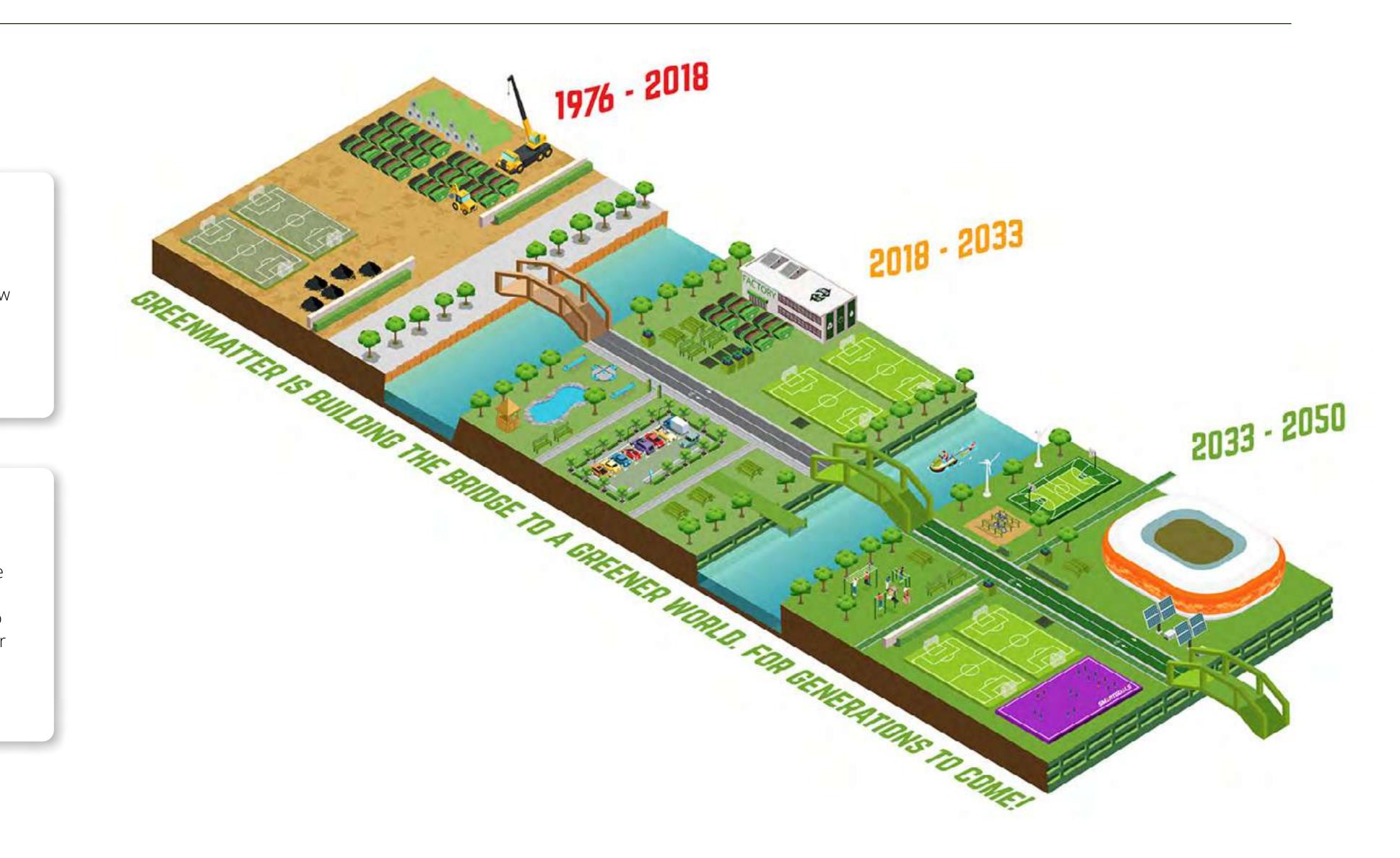
ROADMAP GREENMATTER

MISSION

Converting waste from artificial grass pitches into a circular raw material flow by manufacturing recycled products.

VISION

We would like to give substance to the circular issues surrounding the waste from artificial grass pitches in order to make a lasting difference as a provider of circular solutions.





ARTIFICIAL GRASS

CIVIL CONSTRUCTION

SKELIMATTER RIVER BANK PROJECTION



OUTDOOR FURNITURE

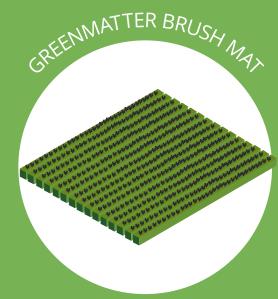






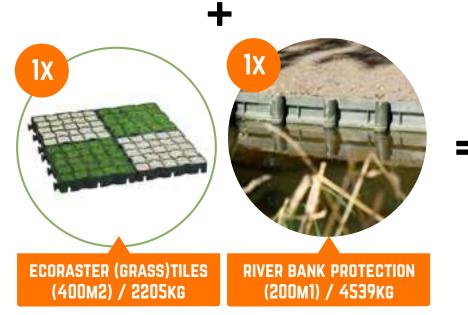
PREVENTATIVE MEASURES INFILL & MICROPLASTICS

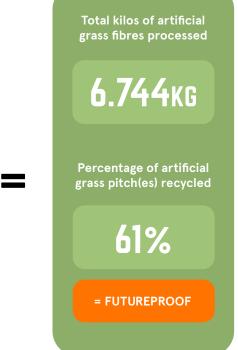






VARIOUS
CALCULATION
EXAMPLES









PRODUCT RANGE













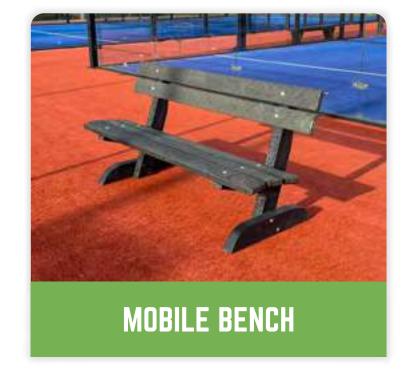






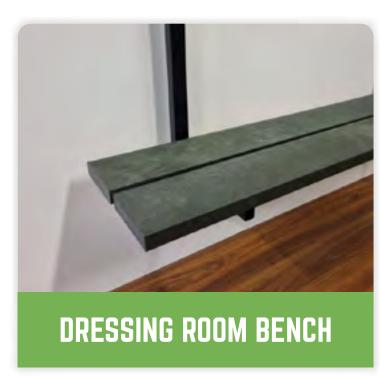


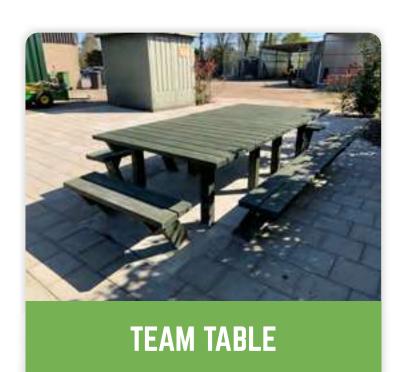




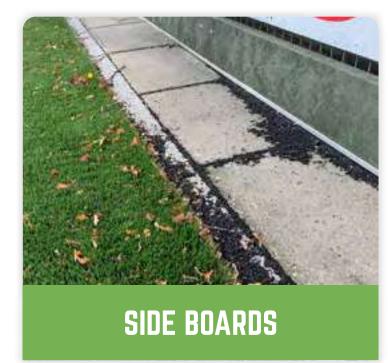




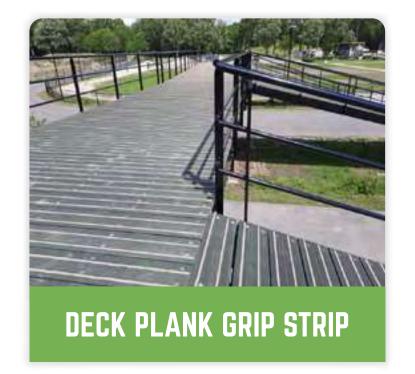




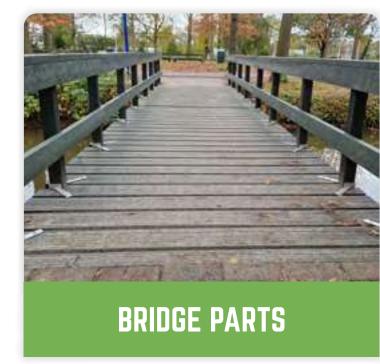




DELIVERY PROGRAM

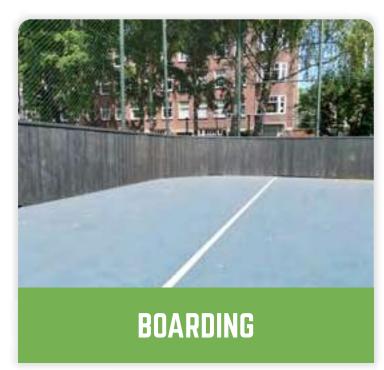
































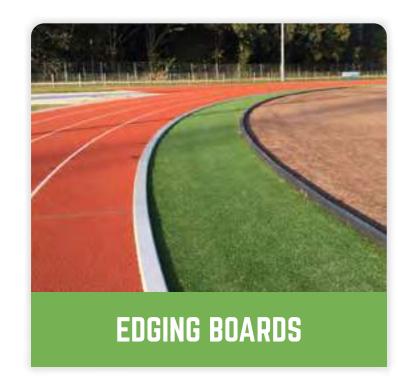




DELIVERY PROGRAM



















PRACTICAL EXAMPLE

NUMBERS

- Old artificial grass fields with infill; > 35,000 fields worldwide.
- 9,000 old artificial grass fields must be replaced before 2022.
- An average artificial grass football pitch is 7,600 m2 and weighs 250 to 350 tons.
- An average artificial grass field contains 60% sand, 30% performance (rubber) infill, 5% backing and 5% artificial grass fiber.
- The most common performance infill is SBR infill; granulated car tires.

PROBLEM



SOLUTION

(EXAMPLE)



GREENMATTERS SOLUTIONS









DOWN- OR UPGYGLING?



AVERAGE LIFESPAN OF AN ARTIFICIAL TURF PITCH
10 YEARS



AFTER 10 YEARS OF USE, WASTE IS CREATED



EXPECTED LIFETIME OF GREENMATTER PRODUCTS IS 50 YEARS



THE EARTH 100% CIRCULAR

