



FRP RECYCLING

WHAT

Recycling of Glass Fibre Reinforced Composites

PROJECT MANAGER:

WILL DARRACOTT,
Composites Innovation Centre

VISION

To commercialize the recycling of composites

SUCCESS

- **CONCRETE** – 98% reduction in concrete shrinkage cracks by adding recycled fibres
- **THERMOPLASTICS** – up to a 34% increase in stiffness and 32% increase in yield strength
- Replacement of Calcium Carbonate in composite parts of up to 20%
- Commercially viable end uses for recycled composites investigated
- Introduction of new OEM to Manitoba with a composite recycling processing capability

VALUE

- Reduced waste removal costs
- Positive impact on the environment (reduced landfilling)
- Manitoba at the forefront of recycling composites



MAJOR CONTRIBUTORS: FIBRE RECOVERY PRODUCTS,
EQUINOX INDUSTRIES, CARSI - RED RIVER COLLEGE

KEY PARTNERS: ISIS - INTELLIGENT SENSING FOR INNOVATIVE STRUCTURES,
BUILDING PRODUCTS & CONCRETE SUPPLY, BOEING WINNIPEG, NRC - IRAP

