

# Bulk fuel and oil filtration solutions

**D**onaldson Filtration Systems has introduced the Electrostatic Reduction Technology (DERT), a new property media that reduces the electrostatic charging resulting from non-conductive filter media at high flow rates. This can generate large amounts of static charge which can lead to sparking and thus erode the filter media, causing dirt to migrate through the filter media.

DERT has been in development for five years and was tested in Africa's harsh conditions. It is made of man-made fibres of controlled size and shape, allowing for an increased number of flow openings. This results in increased efficiencies, higher flow capacities, lower pressure drop across the

media pack and higher dirt-holding capacity.

When fuel is transported or handled, it becomes contaminated and dirt is induced into the system. Previously, fuel was filtered several times to reach suitable levels of cleanliness, but DERT allows for high-efficiency filtration in a single pass. In a recent field test, 5-million litres of diesel was run through a single-pass DERT system, resulting in better dirt retention and filter life, reduced restriction and higher ISO cleanliness levels.

The DERT system is designed for 24/7 use on bulk sites, where maintenance downtime is a challenge.

*[www.donaldson.co.za](http://www.donaldson.co.za)*