RST launches into renewable energy industry with innovative solutions for solar and wind farms

Leading fine particle specialist Reynolds Soil Technology (RST) has launched into the renewable energy industry with solutions for unique problems encountered by solar and wind farms

Gold Coast, Sep 12, 2019 (Issuewire.com**)** - As the renewable energy sector continues to expand across Australia and around the world, RST is assisting operators of large-scale solar and wind farms with a range of land use issues including the construction of hundreds of kilometres of unsealed access roads.

RST's road stabilisation, surface binding and dust suppression systems and solutions are being used to build unsealed roads and site pads that are resistant to dust and can withstand high volumes of heavy vehicles carting massive machinery.

Solar farms in Australia, Chile, China and Argentina have started using RST's dust suppression aids to construct unsealed roads and site pads, reducing the amount of dust settling on solar panels to significantly improve power generation.

Unsealed roads and site pads at wind farms in the Philippines are being constructed with RST's road stabilisation and surface binding additives for greater structural integrity to support large volumes of heavy vehicles transporting giant wind turbine parts.

Three decades of research and development into road and soil stabilisation and dust suppression has placed RST as a leading global provider of bespoke services to a wide range of industries from mining to civil construction.

RST's environmentally safe additives and customised mechanical application systems are crucial to the construction of foundations supporting billions of dollars worth of infrastructure around the world.

RST Operations and Technical Director David Handel says his team is assisting renewable energy companies in a variety of ways including land assessments and design recommendations during the planning phase through to construction and maintenance of roads and other infrastructure.

"Our team assesses the natural resources at a site for matters such as soil compaction and watercourses that require altering for long-term prevention of dust and sediment issues that can lead to erosion and undermining of infrastructure if not managed," Mr Handel said.

"We also have teams involved in the construction of hundreds of kilometres of unsealed access roads that require maximum holding capacity for extremely heavy loads while minimising dust to protect plant equipment.

"Unsealed roads normally produce a lot of dust which can be a big problem for solar farms, but our surface sealants and dust binders are designed to control fine particles to maintain stronger surfaces with long-term resistance to dust.

"We are helping solar farms in China, Chile, Argentina and Australia to improve power production through our advanced dust suppression methods used in the construction and treatment of unsealed access roads and site pads to limit the amount of dust caused by traffic that settles on solar panels.

"And in the Philippines we are improving the strength and density of unsealed roads on wind farms so heavy vehicles can transport huge turbine parts in any type of weather, and our soil compaction aids are being used to stabilise the enormous foundations that support the wind turbines.

"RST has always been committed to finding affordable and efficient solutions for our clients through the development and implementation of advanced, environmentally-safe technology that minimises their carbon footprint.

"As investment in renewable energy ramps up, demand from this sector for environmentally-safe and cost-effective solutions is increasing and we will continue to assist companies to improve the efficiency and affordability of clean energy."

RST specialises in fine particle management, tailoring solutions from its innovative suite of soil stabilisation and binding aids, dust suppressants and cutting-edge application equipment to mitigate dust and sediment, prevent and reverse erosion, improve materials handling from plant to port and deliver roads and surfaces with greater structural integrity.

Unique scientifically-proven solutions are carefully selected and tailored by RST to suit each site's specific conditions, including materials and climate, to greatly improve a road or surface's strength and

density, increase holding capacity and reduce dust.

RST's suite of solutions for civil constructions are formulated using the latest technologies in organic and inorganic polymers, with scientific data collected over the past three decades to solve unique problems faced by site managers. Products and application methods can be modified to suit the variety of materials and topography specific to each site, as well as the various conditions caused by the weather.

RST is an Australian business operating internationally in the United States of America, Canada, New Zealand, New Caledonia, Papua New Guinea, Timor, Indonesia, the Philippines, Malaysia, Thailand, India, Africa, Colombia, Chile, China, Argentina, Peru, Brazil, Mexico, Mongolia, Lithuania and the United Arab Emirates.

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