

DFI Nano-Coating Applied to New FIFA World Cup Host Stadium in Brazil



- **DFI's Patented Diamon-Fusion Nano-Coating Provided by T2G Technical Glass Group is Applied on New FIFA Stadium Arena Corinthians to be Showcased on June 12th at Opening Ceremony**
- **Arena Corinthians is one of 12 Green Stadiums for the 2014 FIFA World Cup Under FIFA's Sustainability Strategy**

IRVINE, Calif., June 4 2014 - [Diamon-Fusion International, INC. \(DFI Nanotechnology\)](#), global developer and exclusive licensor of patented hydrophobic nanotechnologies, announced today its flagship product **Diamon-Fusion(R)** has been applied to new glass sections of the **FIFA World Cup 2014** host stadium Arena de Sao Paulo, also known as Arena Corinthians in Brazil. The project, awarded to Sao-Paulo based **T2G Technical Glass Group**, a DFI Licensee, has utilized the award-winning Diamon-Fusioncoating on glass units on the stadium structure glass panels, to protect the glass from harmful environmental elements, while helping to reduce the maintenance of the glass over time. Through DFI's patented nano-coating process, the eco-friendly chemical treatment creates a highly water repellent and anti-soiling effect which enables ease of cleaning and protection against scratches, impacts, abrasion, and environmental elements, therefore considerably reducing the costs of maintenance to the facade. The Diamon-Fusion nano-coating is optically clear, 20% more brilliant, UV stable and does not affect the natural reflection of the glass exterior. The 12 stadiums are the flagships of the **FIFA World Cup 2014** in Brazil. In an effort to leave a positive legacy in the host country, FIFA has offered a training program on sustainable operations of stadiums. A number of measures have been introduced, including solar panels, efficient lighting, reduced fresh water use or recycling of waste.



The Arena Corinthians in Sao Paulo, Brazil is the stadium of Sport Club Corinthians Paulista, with a seating capacity of 65,807. The glass of the stadium has been designed with a curvature intended to simulate the visual effect of a ball hitting the net. Special 26 meter

seamless beams were developed to support the structure. The paneling solutions rationalizes the 5,400 square meters (58,125 square feet) double curved freeform glass surface into 855 planar and cylindrical panels, all in hot tent toughened glass. This solutions allowed for minimizing the number of shapes necessary by 93% reducing costs considerably, while the photo-voltaic glass powers the air conditioning.

T2G Technical Glass Group is a Brazilian privately-held company with extensive experience in the architectural glass manufacturing and is a leading provider of a wide-range of glass products with an emphasis on solutions for structural glazing, roofing, canopies and special facades. T2G invests in state of the art technology, engineering and professional development in specialty glass solutions, tailored to the needs of each architectural project and market requirements.

"Every piece of glass on the stadium is a unique size to fit a unique aperture in the façade and rooftop," stated **Mauricio Margaritelli**, President of T2G Technical Glass Group. "By treating the glass façade with Diamon-Fusion(R) coating, we are reducing the cleaning cycles and protecting the glass from harsh elements while saving in chemical cleaning supplies' costs and reducing water usage. This is one of several hi-end architectural projects we have worked on this year, and we are pleased to see the word is spreading among the leading designers and architects alike, about the value-added benefits of utilizing our licensed Diamon-Fusion(R) nano- coating on these exceptional and truly state-of the art green projects."

Guillermo Seta, Corporate Vice President of DFI, added: "The Arena Corinthians project is a treat of architecture design excellence and eco-friendly functional solutions; I truly cannot think of a more universal venue than a new soccer (football) stadium to be showcased at a world cup's opening ceremony. We are thrilled to be a part of these ground-breaking designs and influential projects that reinforce the quality and true innovation of our green products. We see an enormous potential for the Diamon-Fusion nano-coating to address the needs of architects, building owners, and property managers around the globe."

The Arena Corinthians application, along with several other high-profile commercial projects, prompted DFI to develop a suite of products and services to help commercial property owners and developers, on a global basis, keep their buildings beautified while providing an easy-to-clean (E2C) surface, reducing harmful chemical usage, water consumption and improving sustainability.