

## press release

11. August 2016



### **ISG-Group produces first single fan freefall simulator**

*Gladbeck, 11. August 2016.* Indoor Skydiving Germany Group (ISG), German manufacturer of high performance freefall simulators started to produce its first single fan freefall simulator.

Freefall simulators are getting more and more popular all over the world. In the last years there was an increasing demand for high quality technical solutions. ISG group reacted to those demands and started (in addition to its classic wind tunnel models with a four fan drive system) to offer the same wind tunnels with a single fan drive systems.

The core of this new drive system is a large single fan which produces the required volume flow and pressure for the freefall simulation. By using a large single fan instead of the more common solution with multiple smaller fans, which are known as the industry standard, there are huge improvements in flow quality, noise emission and energy consumption.

The new drive systems are sold under the brand of "ISG One". Now, ISG One GmbH has sold its first single fan freefall simulator system and started production of the first large single fan with a diameter of 6 m to be installed in 2017.

This will be the largest fan ISG or any of its competitors has ever built into a freefall simulator. The design of such a huge fan imposes challenges on statics and installation which ISG has managed to solve together with its leading German fan manufacturer. ISG uses light weight carbon reinforced fiberglass blades to improve endurance and performance.

Boris Nebe, managing partner of ISG-Group: „We are very happy that we found, together with the engineers of our fan suppliers, a way to deliver this improved technical solution in an economic way to our customers.“

The wind tunnel technology of ISG-Group was developed in cooperation with the aerospace department of the Technical University of Berlin and other aeronautical engineering companies and is internationally recognized for its energy efficiency, safety and airflow quality.

The first reference facility opened in 2009 in Bottrop, Germany (Indoor Skydiving Germany GmbH – [www.indoor-skydiving.com](http://www.indoor-skydiving.com)). Since then ISG-Group has built and started multiple wind tunnel facilities for customers; many additional projects are in construction or planning phase.

About ISG-Group:

Driven by mankind's dream of flight, ISG-Group delivers and builds vertical wind tunnels for freefall simulation for the sport of indoor skydiving and the entertainment market.

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The high performance facilities of ISG-Group are used also as professional training facilities for skydivers and military freefall units.

In addition to that they also deliver a new experience to the entertainment market. The founders of this company developed in the recent years the most advanced and most silent vertical wind tunnel technology. It is internationally recognized for its energy efficiency, design, safety and airflow quality. Managing Director is Boris Nebe, the headquarter is in Gladbeck, Germany. Information under [www.isg-group.de](http://www.isg-group.de)

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