

***'Creating innovative entertainment solutions through imagination & motion based technology'***

**FACT SHEET**



motion based technology

## Cesys Flight-Ride: the ultimate flying experience



### **Flight through the skies**

The Cesys Flight-Ride is a new attraction that puts guests in a hang-glider, high above spectacular breath-taking views. They feel the wind in their hair as they fly through various themed environments. Their feet hang freely for true immersion and the sensation of flying through the air is palpable. The 6-DOF (Degrees-of -Freedom) hanging motion system has a capacity of 12 people and is ideal for indoor environments with an educational and/or infotainment character.

### **Cesys**

Cesys is the entertainment division of Cruden. Cruden is the world's leading designer, manufacturer and integrator of professional driving simulators for the automotive, motorsport and marine industries. The knowledge and experience of Cruden is used to design, develop and produce high end, innovative entertainment

simulators through imagination and motion based technology. Cesys has years of experience in designing, manufacturing, gameplay and content development and does this all under one roof. By utilizing this knowledge and innovative technology, Cesys has transformed human experience as we know.

### **Dimensions & weight:**

Dynamic footprint: 8,50 x 6.50 m  
Minimum ceiling height: 5,50 m  
Weight: 4000 kg

### **Ceiling loading specifications:**

Total ceiling load: 200 kN  
Total ceiling torque: 500 kNm

### **Power:**

Voltage: 3-phase 400 VAC, 32 A  
Typical power consumption:  
10 kW  
Peak power consumption:  
25 kW

### **Service and maintenance:**

No overhaul necessary.  
Annual maintenance costs: < € 5 k

### **Price on request**

### **Operation:**

Ride length: 5 – 10 minutes  
One operator for 1 simulator  
Throughput: 72 guests per hour

***Designed and built to  
EN 13814:2004 standard.  
UL/CSA /ADIPS /TUV  
certifications can be provided  
on request.***

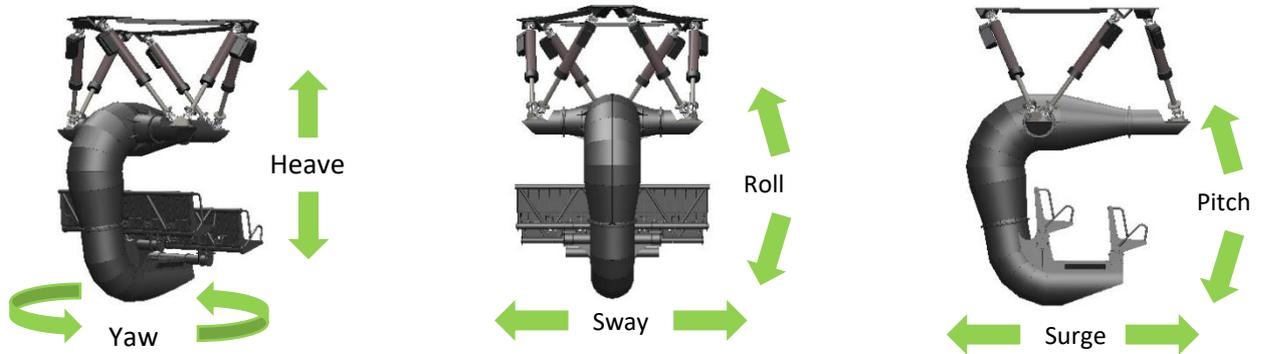
### Changeable movie

A ride movie is not included in the delivery. Cesys can assist in production as per the client's desired theme.

### High definition projection

Cesys Flight Ride comes with a high definition projector based system and a curved projection screen. The screen is partly mounted under the motion system so visitors can experience the view directly under their feet.

### Optimal simulation impact

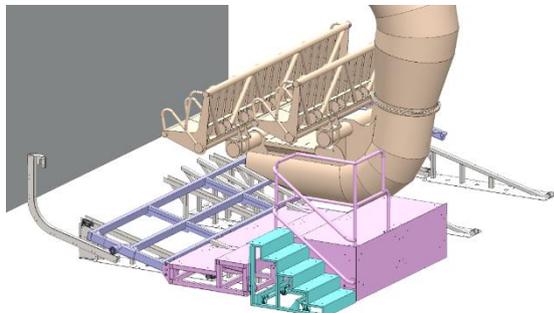


### Third party certification

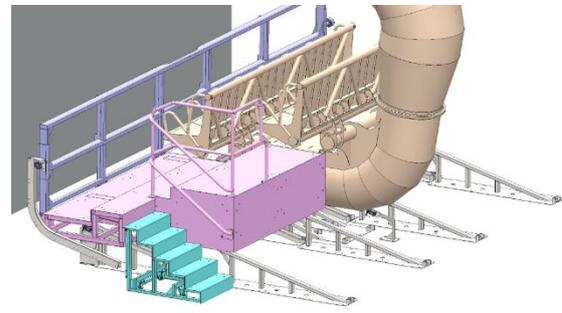
Cesys systems are designed and manufactured according to the **EN 13814:2004 directive: Fairground and amusement park machinery and structures**. If a third-party approval is required for the designed motion based attraction, Cesys can provide this on request. Cesys has vast experience in coordinating this certification process.

### Motion design

Cesys has the world's leading experts in the complete array of motion technology. All our engineers have a background in professional simulation and have been involved in multiple industrial simulation projects.



Flight-Ride – Access down (action position ride)



Flight-Ride – Access up (parking position ride)