

Welcome to the world of ESD



Stat-X [www.stat-x.com](http://www.stat-x.com)

## Electronics Characterize Our Present

**Electronics make life comfortable.  
Electronics control mobility, enable  
communications and save lives.**

Nowadays, the use of electronics is natural and ubiquitous. Navigation systems and ABS increase safety and comfort when riding a car.

State-of-the-art electronics ensure problem-free air traffic processes. On board an aircraft, dozens of computers constitute the brains of the aircraft. There, technical quality at the highest levels, stable process results and perfect maintenance are imperative.

**Reliability and Precision are of  
Critical Importance.**

**Drilling Engineering.** Stat-X Personal Grounding supports ESD-safe manufacturing of highly sensitive control electronics.

## The Vision of Success



**Stat-X**

To know is not enough;  
To want

Johann Wolfgang von

# Electronics Applications Require an Effective ESD-Protection Concept

**Electronic components are designed for operating voltages of a few volts. Electrostatic discharge, however, creates voltages of up to several thousand volts!**

Since charges primarily are created through friction, the human being poses the highest risk potential for highly sensitive electronics. Electrostatic discharges can cause damages anywhere: on components, in PCBs, and in products ... Each damaged component creates

costs, and the later an error is detected, the more expensive its repair will be. If a product failure occurs at the customer's, the costs can skyrocket astronomically; in a worst case scenario, human lives can be endangered, as well!

## Strategies for Safety.

To warrant the functionality of products, their manufacturing process must be monitored continuously. This requires preventive error avoid-

ance strategies as well as the application of an ESD-protection concept throughout.

**Stat-X' extensive experience will help you to successfully implement measures for safe production and maintenance, to reduce error rates and to assure the satisfaction of your customers long-term.**

**Medical Engineering.** Constant Monitoring Systems by Stat-X provides continuous control throughout the manufacturing process of pace makers.

**Geophysics.** Stat-X Specialty Foams are protecting seismographs even under the most adverse conditions.

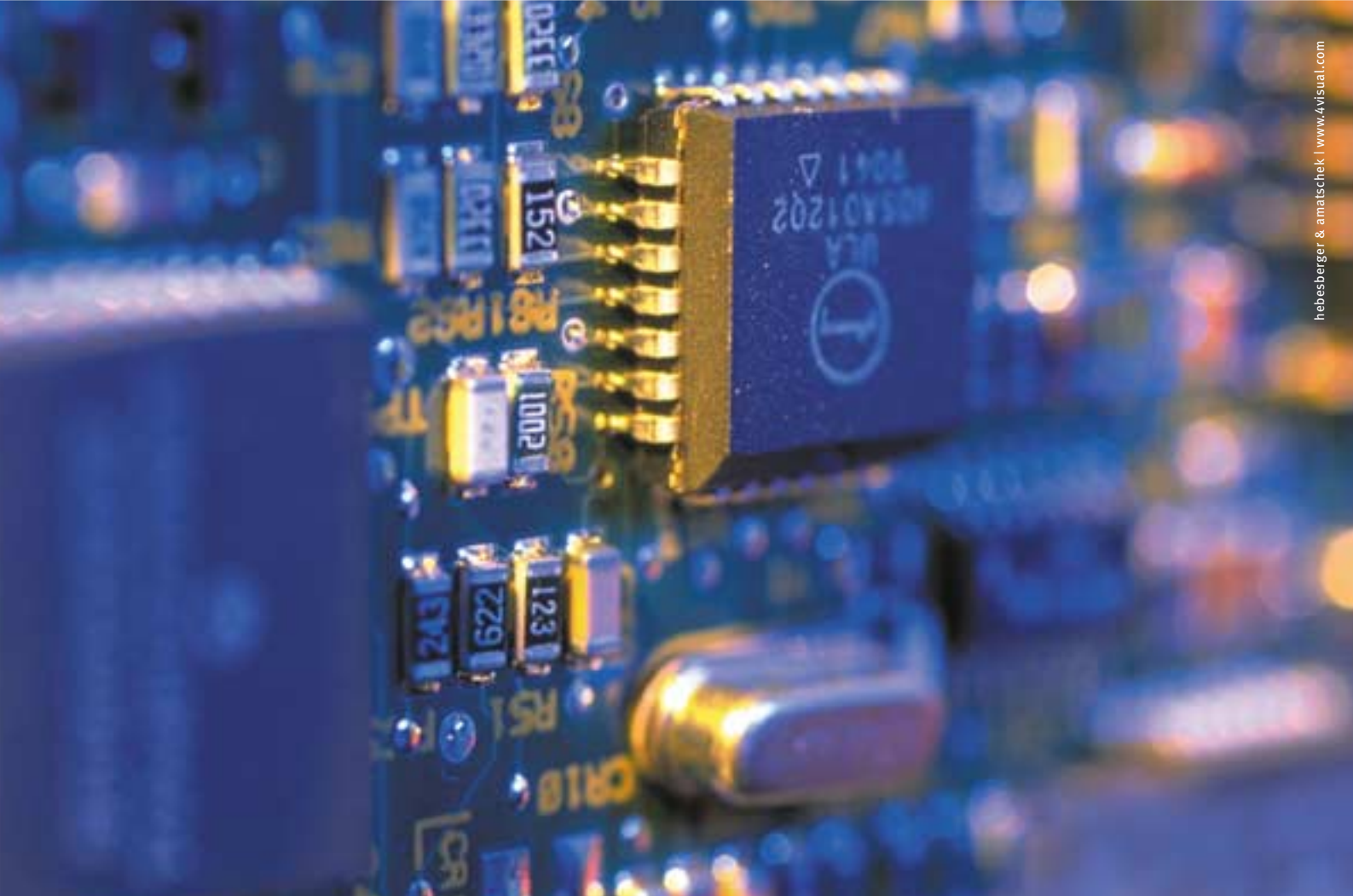
**Aviation Engineering.** Thanks to top-grade ESD-protection gear, maintenance and repairs can be conducted without problems.



[www.stat-x.com](http://www.stat-x.com)

we must apply.  
is not enough; we must do.

Goethe (1749-1832)



Stat-X [www.stat-x.com](http://www.stat-x.com)

[www.stat-x.de](http://www.stat-x.de) [www.stat-x.at](http://www.stat-x.at) [www.stat-x.fr](http://www.stat-x.fr) [www.stat-x.hu](http://www.stat-x.hu)  
Germany Austria France Hungary