

# DANISH INTERPRETATION SYSTEMS - CUSTOMER SUCCESS STORY

Danish Interpretation Systems (DIS) selects Altium Designer to design the world's first fully-digital conferencing system.

## ELECTRONICS AND TRANSLATION COMPLEXITY COLLIDE

The complexity of electronics design is one thing, having to develop a product that can also handle the complexity of multi-language translations on the fly is quite another.

This is where Danish Interpretation Systems (DIS) comes into play. With over 50 years of experience in the communications and meeting industry, DIS designs and develops innovative communication solutions that must balance both technical and human communication complexity. You'll find DIS communication products in many political arenas, being used by international delegates, chairmen, and a number of interpreters translating up to 32 different languages all in real-time. At the core of this entire communications process resides a powerful set of electronic solutions that allow these delegates to communicate easily together.



## PUSHING COMMUNICATIONS FURTHER

To continue innovating in the communications industry, DIS tasked themselves with creating the world's first fully-digital conferencing system, the DCS 6000. This innovative conferencing system combines voting sessions and interpretation tools all in one integrated system. DIS ultimately aimed to create a more efficient communications process without any of the headaches associated with incompatible systems, with features including:

- The delivery of 32 different language channels simultaneously
- Eight active microphones in use simultaneously
- A fully expandable platform using LAN-based extension units

To further complicate their design challenge, DIS also had to take into account the physical design of the product, which had to be small enough to fit into the armrests of chairs or the legs of tables. Overall, the DCS 6000 called for an approach that provided the highest degree of design customization and power in the smallest possible enclosure.

## EFFORTLESS DESIGN TRANSLATIONS

After a thorough evaluation process with selected vendors, DIS chose Altium Designer for their design needs. Engineers at DIS required a solution that was easy enough to learn, and powerful enough to incorporate their needs for complex electronic designs. Altium Designer met all of these requirements and more with:

- **A fully customizable rules-based design environment.** Engineers were able to set specific component placement rules that kept them in full compliance with manufacturing and electrical guidelines.
- **Powerful high-speed design tools.** DIS took full advantage of the high-speed routing tools in Altium Designer including impedance-controlled routing, allowing them to easily route complex and high-density PCBs.
- **An easy-to-use design platform.** Altium Designer provided DIS with an easy-to-use interface and design environment that allowed them to reach their productivity potential without a relatively steep learning curve.

With the help of Altium Designer, DIS was able to successfully launch the DCS 6000, contributing to the ongoing financial success of the company and solidifying their continued reputation as an innovator in the communications and meeting industry.

## ABOUT ALTIUM

Altium Limited (ASX:ALU) creates electronics design software. The unified electronic design environment created by Altium links all aspects of electronics product design in a single application that is priced as affordable as possible. This enables electronics designers to innovate, harness the latest devices and technologies, manage their projects across broad design 'ecosystems', and create connected, intelligent designs.

Founded in 1985, Altium has offices in San Diego, Sydney, Karlsruhe, Shanghai, Tokyo, Kiev, with value added resellers worldwide. For more information, visit [www.altium.com](http://www.altium.com). You can also follow and engage with Altium via [Facebook](#), [Twitter](#) and [YouTube](#).