

## Sao Paulo's Justice Tribunal Choose WonderNet's Biometric Signature Authentication Solution

### Highlights

**Client:** Tribunal de Justica do Estado de Sao-Paulo - Sao Paulo's Justice Tribunal

**Products:** [PenWord™](#), [PenPDF™](#), [PenVelo™](#)

**Number of Users:** 15,000 signature stations

### Overview

Sao Paulo, Brazil's most modern business center, is the world's third largest city and the largest city in South America. With 17 million inhabitants, almost every major industry in Brazil is based in Sao Paulo and 15 percent of Brazil's gross national product is generated there.

Tribunal de Justica do Estado de Sao-Paulo is therefore one of the most important and biggest court houses in Brazil, in charge of its vast population's justice interactions.

### The Challenge

As the traditional signature still being recognized as an acknowledged method for authenticating legal documentation, the need to secure and manage over 15,000 signatories is not a trivial issue. Sao Paulo's court had to find a way of both authenticating signatures and at the same time improving document handling procedures.



### WonderNet's Solution

WonderNet has equipped Sao Paulo courts with over 15,000 signing stations that are being used daily for biometrically signing and sending secured legal documents using the Penflow-based PenDocs™ product family. Using PenDocs the court can also achieve the increased efficiency of paper-free document workflow as there is no need for printing court orders just for the sake of signing them.

The PenDocs product family applies the Penflow biometric signature functionality into commonly used programs such as Microsoft® Word and Adobe® Acrobat. PenWord™ and PenPDF™ allow created documents to be electronically and biometrically signed. PenDocs' intuitive menu bar allows judges to easily embed their handwritten signature into documents, creating a digital signature which also includes an RSA certificate and the time/date stamp. Once the signatures are verified against the Penflow database of pre-enrolled signatures (over LAN or WAN), the documents are protected from unauthorized modifications.





An inherent advantage of using PenDocs is the fact that there is no need for judges to be physically present at a specific location in order to issue court orders, such as immediate arrest warrants. Using the unique PenVelo<sup>TM</sup> module offered by Penflow, signed court orders and regulation files are securely sealed and emailed so that only authorized signatories receiving these files can open them for viewing.

#### **Wide Benefits**

- No need for physical presence of signatories at a specific court session
- Substantially saves hardcopy peripherals and Electronic Office Supplies (EOS) costs
- Seamless integration with court's current workflow procedures
- Using the trusted and familiar advantages of the handwritten signature
- Non-invasive biometric authentication
- Eliminating documents handling-time by keeping an all-electronic cycle

#### **Technology**

Based on a highly sophisticated patented algorithm, *Penflow*<sup>TM</sup> offers a reliable and secure solution for signing documents and authenticating the identity via a handwritten signature. The technology dynamically learns the variations of each signature and by analyzing biometric parameters such as pressure, acceleration, speed, and rhythm, it creates a unique personal profile, which is updated and fine-tuned with the natural fluctuations that occur in each person's signature. WonderNet solutions comply with the standard international electronic legislation and supports PKI. The system is easy to use and requires no staff or customer training, nor any alteration in signing modes or habits.

