

Trusted Products™

Szrek2Solutions (S2S) offers its secure Trusted RNG Platform and *Trusted* product suite to address demand in the gaming industry for electronic drawing of winning numbers, high performance generation of game outcomes, and fraud protection solutions for draws, transactions and tickets. Our philosophy is to provide provable security to protect our customers and the integrity of their games. Provable security is based on real-time tamper proofing of critical data and providing mathematical verification of data integrity. Customers can now be confident they have adequate defenses in place to protect their games and players.



S2S's RNG Platform supports *Trusted* product suite including: Trusted Draw™, a secure electronic draw system, Trusted Play™, a secure high performance RNG server for instant and multiplayer games, Trusted Transactions™, a time-stamping server for gaming transactions, and Trusted Ticket™, an authenticating server for lottery tickets.

- Trusted Draw™ RNG platform is offered to replace or augment mechanical draw systems. Trusted Draw supports numerous game types and works stand-alone or connected to a gaming system, providing high degree of automation and transparency. It offers unique RNG audit verification function ensuring exceptional security of the draw process. Based on mathematical proof of RNG *signature* it demonstrates draw integrity or detects draw fraud, critical in insider attacks.
- Trusted Play™ supplements Trusted Draw platform by offering high performance RNG for instant game and multiplayer game outcomes, for a wide range of gaming products and environments. Trusted Play is a redundant, highly scalable, distributed system with typical application for on-line real time betting on internet and mobile platform, for interactive TV betting, Video Lottery, casino betting and on-line lottery systems. Trusted Play with associated Trusted Audit™, ensuring gaming transparency, functions in a fully automated manner, processing over 1,000 draws per second.

Trusted Product Suite

- Trusted Transactions™ server is offered to secure gaming transactions by real time time-stamping of gaming transactions; it enables closing of sales right before the draw/event, allowing players to place bets up to the last moment. Trusted Transactions time-stamping creates a proof of transaction file content which can be verified after the draw/event. It is a more secure solution than traditional preventive approaches and detects insider fraud. Time-stamp proof is incorruptible and is provable to a third party any time after the draw or event.
- Trusted Ticket™ server provides authentication for lottery tickets for various gaming environments, including receipts printed on 'white' paper by 3-rd party (POS) terminals. Trusted Ticket offers verifiable method of securing authenticity of lottery receipts via use of Ticket Security Code, consisting of digital signature and time stamp of ticket data. Ticket authenticity is verified independently to endorse prize payment, providing protection from insider fraud.
- Trusted Audit™ is a companion product providing integrity verification and audit for all *Trusted* products. It performs mathematical verification which detects any potential data manipulations. It is fully automated to ensure that all data is verified (in near real time or at the end of business day), so that any discrepancies due to errors or fraud are detected and reported.
- Trusted Monitor™ product is offered to provide remote monitoring of RNG and audit processes and to supply reporting to auditors, operators, and third parties. While all *Trusted* products run in protected environment of secure data center, Trusted Monitor offers a remote browser access from outside of secure environment.

Trusted products have been deployed in the US and internationally since 2005. *Trusted* RNG has been certified for numerous games by leading US and international laboratories and universities. S2S's customers include among others Danske Spil, Denmark, Lottomatica, Italy, Sisal, Italy, Loterie Nationale Luxembourg, Luxemburg (IGT), Kansas Lottery, South Carolina Lottery, Florida Lottery, Texas Lottery (IGT), Oregon Lottery (IGT), and Georgia Lottery (IGT). Since 2005 *Trusted* RNG products have generated over 2,000,000,000 audited random numbers and maintained 100% uptime with 0 hotline calls.

Jørgen Falsvig, former CIO and IT Director at Danske Spil, offered following comment about our products:

"Danske Spil has been using S2S Trusted products suite and services from 2005: initially for internet instant games outcomes, then for e-Bingo and since 2008 for Multiplayer games. We have been very satisfied with products' functionality and reliability. Trusted Play generates game outcomes with the distribution we define and protects our liability. Trusted Draw handles automatically thousands of draw daily. In addition the audit functionality ensures RNG security and provides our State Controller with necessary audit data. This is critical to Danske Spil – we want to control our exposure but at the same time be able to offer every player a chance for high prizes and S2S technology allows us to do that. We can be sure that the right players get the correct prizes and no internal fraud can go undetected. In addition the RNG and audit operation is fully automated - it does not add complexity to our system operation and reduces risk of errors. I believe that S2S system approach to data security is important, especially for New Media environments, and recommend use of S2S technology for transparency of gaming and drawing."