Audacious Designs, LLC.

Capability Statement

www.AudaciousDesigns.com

Audacious Designs, LLC was created in September 2012 to become the premier clearinghouse for creating, nurturing, and finding path-to-market opportunities for new paradigm shifting technologies and innovations that are, as the company's name implies, audacious in their design and nature, as well as in their profit potential. Their first major innovation has been creating a patented ground-breaking encryption methodology (US Patent #9,397,830), one that offers superior cyber protection and customization, unlike any other encryption available. It is text-based, and can be implemented with an architecture that protects companies and agencies in the event their databases are hacked, even by an insider with the initial password.

CORE COMPETENCIES

ENCRYPTION
Felician Randomized Encryption (*FRE*)™ is Superior Cyber Protection!
Audacious Designs has come up with a game-changer. Text-based encryption that randomly changes every time, and which can only be decrypted by meeting user-defined conditions. Encryptions can be set to expire, or only decrypt on a company's specific hardware, or only by Trusted Associates. By using FRE™, a company could ensure that their data was secured, even if it were stolen, and even if the thief had the password!

NAICS & PSC CODES

511210 Software Publishers
518210 Data Processing, Hosting, And Related Services
541511 Custom Computer Programming Services
541513 Computer Facilities Management Services
541519 Other Computer Related Services
PSC 7030, and Category D: **D302**, **D307**, **D309**, **D310**, **D318**, **D322**, **D324**, **D325**

ADVANTAGES

Using FRE™ as your encryption protocol offers advantages over outdated encryption standards:

- FRE™ is non-deterministic. This means that unlike most encryption commonly in use (like AES), every time FRE™ encrypts text, the resulting cipher text will be random in composition and size, even if encrypting the same plain text over and over again. This has the advantage of denying hackers and other nefarious entities from having any repeating pattern to identify or track. It does this by breaking the text being encrypted into multiple randomly sized blocks, and generating random keys and encryption patterns for each block, and using the password submitted to change how math works within the algorithm multiple times per block, as well as other features to make its effective key strength stronger than previous encryptions.

- FRE™ is text-based, unlike most encryption, which are usually bit-based. This makes FRE™ easier to implement within programming, text-based languages, and solutions (such as HTML, XML, or JSON). For compatibility, FRE™ removes characters (<>'&/\") from the resulting cipher text.

- In addition, optionally, users may add additional policy rules and constraints, embedded within the encryption itself, such as time or GPS or device ID constraints, or limiting decryption to only being possible under specific conditions, and or only to specified trusted entities.

- It is also easy to incorporate, currently being available as a DLL or SQL Server assembly, accessible through simple function calls, or stored procedures (FRE™ for java and mobile applications coming soon).

- Empty or small values are encrypted with a padded string that is removed at decryption, in order to hide which fields may be empty, or containing only one or two characters.

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Hispanic American Owned
Minority Owned Business

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