

The background of the slide is a deep space scene. It features a dark blue and black sky filled with numerous stars of varying colors and sizes. A prominent feature is a bright, glowing nebula or star cluster in the upper left quadrant. On the right side, a large, reddish-brown planet, likely Mars, is partially visible, showing its characteristic surface features. In the center, a smaller, pale planet or moon is visible, partially obscured by the larger text.

**NASA/MARSHALL SPACE
FLIGHT CENTER**

JOINT COUNSELING SESSION
Certified Technical Experts, Inc.

November 3, 2016

Background

COMPANY NAME:	Certified Technical Experts, Inc.	ADDRESS:	2501 Bell Road, Suite 1 Montgomery, AL 36116 (855) 426-8076
OWNER:	Eugene Tinker	CONTACT NAME:	Eugene Tinker
EMAIL:	eugenetinker@ctex-inc.com	YEARS IN BUSINESS:	6
CAGE CODE:	67HH0	DUNS NUMBER:	965-53-8346
WEB SITE:	www.ctex-inc.com	NAICS CODES:	541330, 541511, 541512, 541513, 541519, 541611, 541614, 541990, 561110, 711420, 611699, 621111, 621112, 621210, 621320, 621330, 621340, 621399, 621498, 621511, 621999, 622110

Business Size & Classifications

TOTAL EMPLOYEES:	52
AVERAGE SALES:	N/A

CLASSIFICATIONS (select from list below):	Yes/No
SMALL BUSINESS	Yes
SMALL DISADVANTAGED BUSINESS	No
NATIVE AMERICAN-OWNED	No
ALASKAN NATIVE CORPORATION	No
WOMEN OWNED	No
ECONOMICALLY DISADVANTAGED WOMEN OWNED	No
VETERAN-OWNED	No
SERVICE DISABLED VETERAN OWNED	No
HUBZONE CERTIFIED	No
8(A) CERTIFIED	Yes
8(A) EXPIRATION DATE (if applicable)	8/23/2020

Skills & Processes

Integrated Maintenance Data System (IMDS)

- CTE performed a comprehensive assessment of the IMDS system:
- 3.11M lines of code in COBOL 85, JAVA, JavaScript, XML, HTML, CSS and XSLT
- 45,000 function points/4,000 configuration managed items

- Inventory Model

The Inventory Model contains all machine-readable sources, in various languages, as well as statistical information about them and dependency relationships (example: a COBOL program depends on COBOL copybooks).

- Code Model

The Code Model is automatically generated from the source files as a result of “building” the application (parsing the code). The Code Model contains the immediate results of parsing sources (called Compilation Units in KDM). Each Compilation Unit contains exhaustive information such as statements, actions, data elements, control flow and dataflow). This information forms the basis for further analysis.

- Data Model

The Data model is automatically generated from the source files as a result of “building” the application (parsing the code). The Data Model Contains information about permanent storage artifacts, such as tables, columns, records, logical files, etc. It also contains all relationships between these elements, such as table to column ownership, table references, etc.

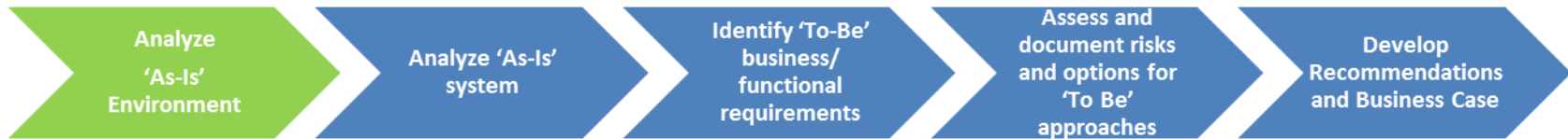
- User Interface Model

The Data Model is automatically generated from the source files as a result of “building” the application (parsing the code). The User Interface Model contains definitions of screens, windows, or pages with their fields, extracted from the sources. In most cases,

Quality Systems

Cargo Movement Operations System (CMOS)

- CTE performed a modernization assessment of CMOS System to recommend an approach that included a business case analysis that addressed target technology opportunities in mature enterprise technology stacks to include:



- Analyze ‘As-Is’ Environment: Analyze and document ‘As-Is’ technical and operational environment
- Document high level relationship between\ to other enterprise application:
 - Relationship/dependencies between and other logistics/business systems
 - Business/functional interfaces
 - Dependent system priorities within
 - Knowledge obtained through existing documentation and interviews with SMEs/stakeholders interview
- Document ‘As Is’ critical business and technical functions to obtain relevant context and priorities (stakeholder interviews, user documentation, KR analysis)

Skills & Processes (Cont.)

Center of Disease Control (CDC) ICLOUD

Development of Tools and Services for Data Management and Processing

- Cloud Services The scope of work for this project included building cloud tools and services on the Amazon Web Services (AWS) platform to manage and process various types and sizes of datasets.
- Design document of user-friendly graphical user interfaces for various types and levels of users.
- Alternative analysis report of a technology stack that can be reasonably maintained in a cost effect way.
- Data warehouse model allowing for various representative structures accompanied with administrative dashboard tools.
- Architectural, source code documents and knowledge transfer.
- Six months of expert consultation and guidance toward possible extensions and enhancements of the cloud tools and services.



Skills & Processes (Cont.)

SPAWAR

- Provided STIGs/Information Assurance (IA) Control support of the littoral battle space sensing (LBS) autonomous underwater vehicle (AUV) program, at SPAWAR, San Diego, CA and Stennis Space Center, MS.
- The tasking included obtaining, installing and testing MS Windows 7 Operating System patches for Windows PC Workstation running Windows 7, 64 Bit Operating System and 1 window PC Laptop running Windows 7, 32 Bit Operating System. All on a underwater vehicle that was used by Navy Special Opps and Cyber Command.
- CTE was the first small business to provided support to Hydroid for the activity of performing the FISMA review for the LBS-AUV program. CTE was a key component in assisting Hydroid with the LBS-AUV Program obtaining a 3 year ATO (Approval to Operate) Accreditation by the US NAVY, US FLEET CYBER COMMAND.



Principle Point(s) of Contact

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