



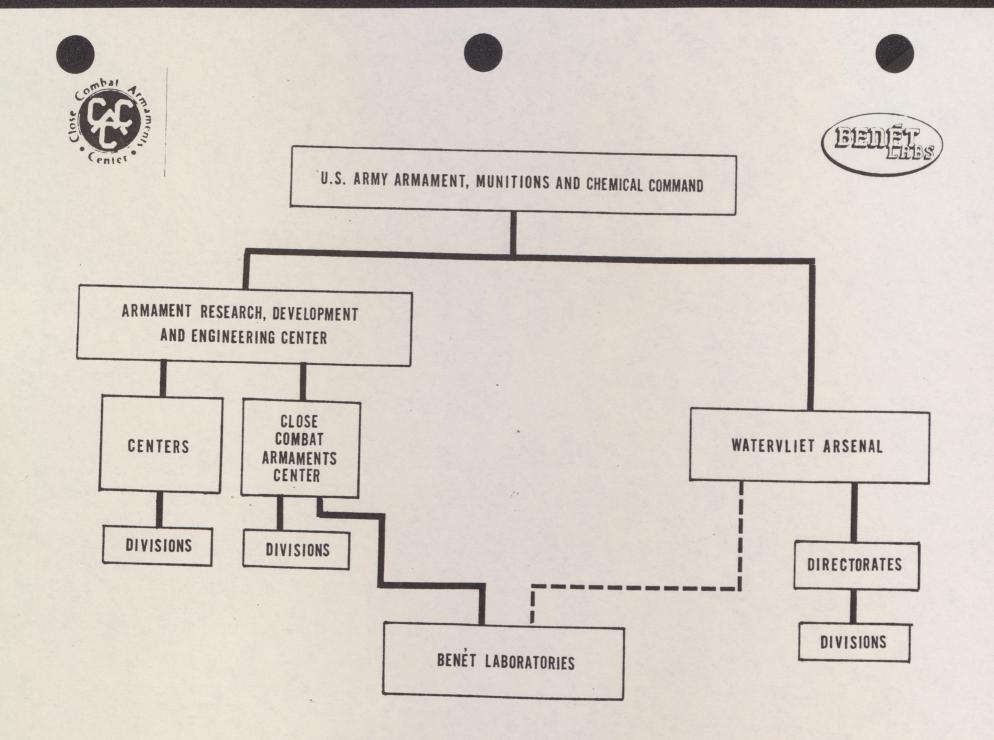




A DIVISION OF

CLOSE COMBAT ARMAMENTS CENTER

US ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER







MISSION & FUNCTIONS



| | MISSION ITEMS | APPLIED RESEARCH | CONCEPTUAL DEVELOPMENT | PRODUCIBILITY ENGINEERING | ENGINEERING SUPPORT TO PRODUCTION | ENGINEERING SUPPORT TO FIELD |
|----|-------------------------------|---------------------|---------------------------|------------------------------|---|------------------------------------|
| TA | NK CANNON/MOUNTS/RECOIL MECHS | UNIQUE | UNIQUE | UNIQUE | YES | YES |
| TA | NK TURRET COMPONENTS | | YES | YES | YES | YES |
| AR | TILLERY CANNON | UNIQUE | UNIQUE | UNIQUE | YES | YES |
| MO | RTARS | UNIQUE . | UNIQUE | UNIQUE | YES. | YES |
| RE | COILLESS RIFLES | UNIQUE | UNIQUE | UNIQUE | YES | YES |
| TA | NK AUTOLOADERS | UNIQUE | UNIQUE | TBD | TBD | TBD |
| | | | | | | |

- "UNIQUE" DENOTES UNIQUE FUNCTION WITHIN ARMY
- "YES" DENOTES SHARED FUNCTION
- "TBD" DENOTES TO BE DETERMINED

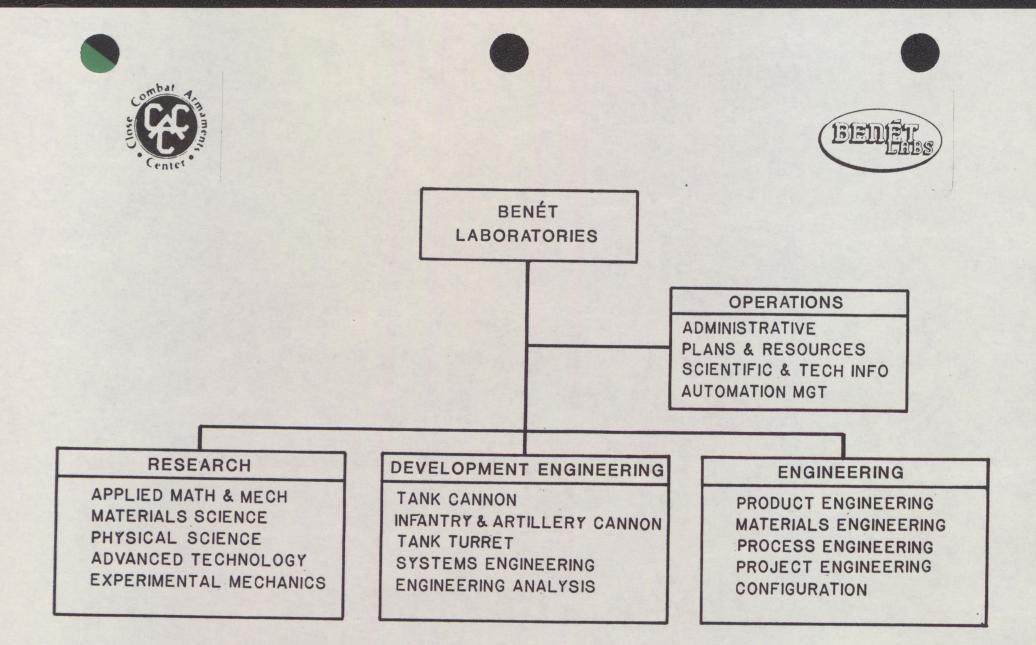






UNIQUE TALENTS/CAPABILITIES

- ° ONLY LARGE CALIBER CANNON GOVERNMENT EXPERTISE IN THE USA.
- ° GUARANTEED PRODUCIBILITY OF DESIGN BY COLOCATION AND DAILY INTERACTION WITH THE ONLY CANNON MANUFACTURER.
- ° ONLY TANK AUTOLOADER GOVERNMENT EXPERTISE IN THE USA.
- ° ONLY FULL SCALE FIRING SIMULATION CAPABILITY IN THE FREE WORLD.
- UNIQUE ABILITY TO RAPIDLY DIAGNOSE AND CORRECT FIELD PROBLEMS BY JOINT PARTICIPATION OF RESEARCH, DESIGN AND ENGINEERING TALENTS.
- SUCCESSFUL TRACK RECORD OF APPLICATION OF RESEARCH TECHNOLOGY TO MEET CRITICAL ARMY NEEDS.





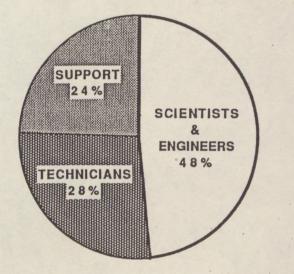


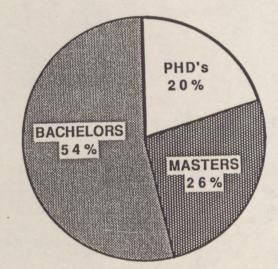


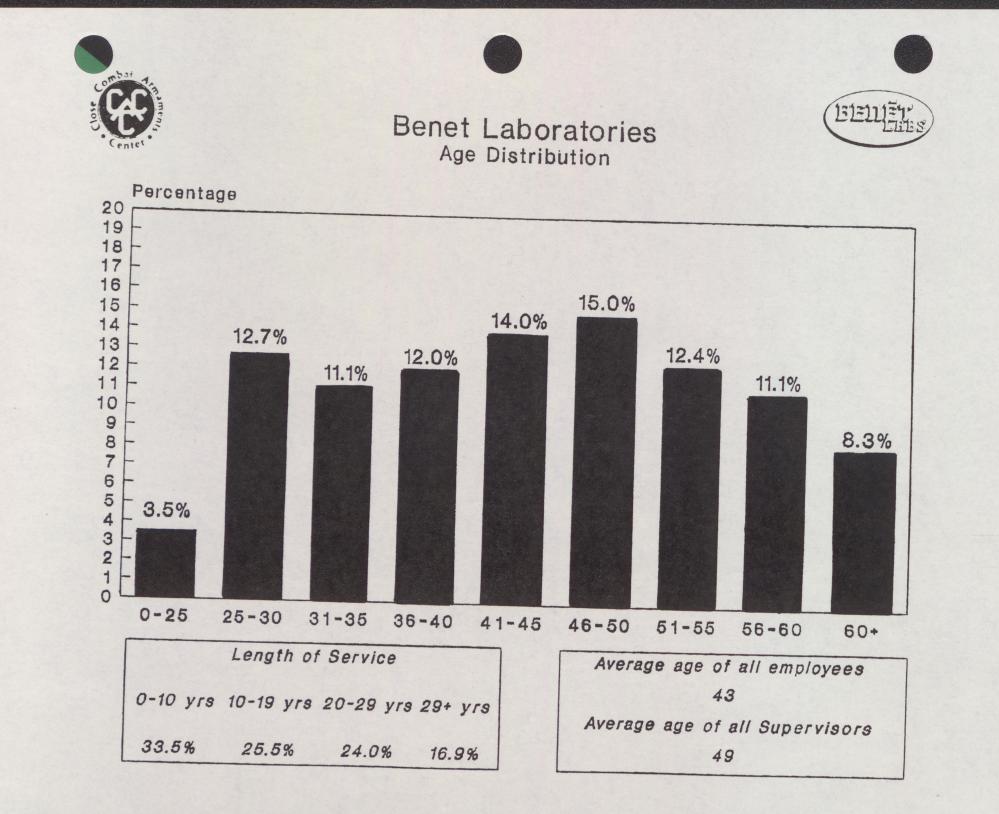
TOTAL STAFFING = 325

SKILL MIX









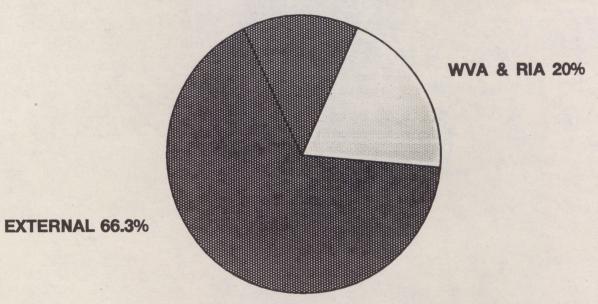






BENET LABORATORIES PROGRAM

DIRECT MISSION 13.7%



FUTURE TANK ARMAMENTS

. 4 '

DR. J. ZWEIG

FUTURE TANK ARMAMENTS

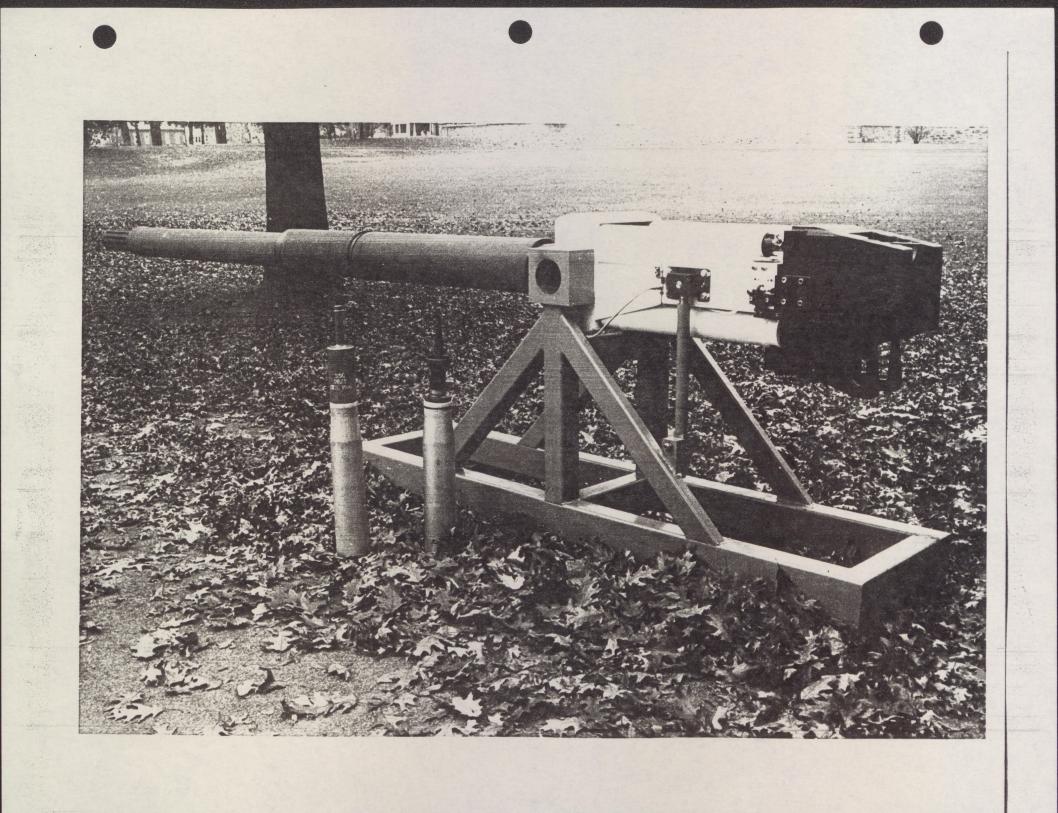
• EX35 (BACKGROUND)

• GUN - ATACS, XM291, FTMA

AUTOLOADER

EX35 FOR LIGHT VEHICLE APPLICATION

- OVER 40 PERCENT LIGHTER THAN M68
- SMALLER SIZE
- 21% LESS IMPULSE
- LESS THAN ONE HALF THE PEAK RECOIL FORCE OF THE M68



ATACS GUN

GOALS

PROVIDE TANK WITH MAXIMUM POWER ON TARGET WITHIN ACCEPTABLE BURDENS

PROVIDE DECISION MAKERS MAXIMUM LATITUDE

OBJECTIVES

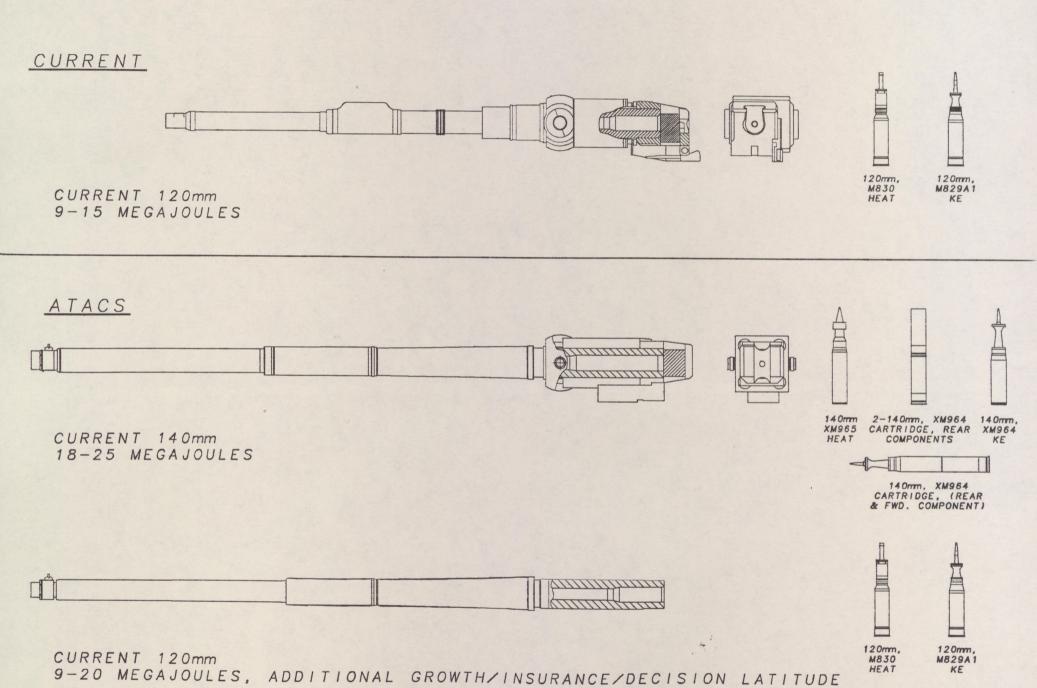
DETERMINE GUN PARAMETERS WHICH MAXIMIZES KE ON TARGET FOR 4.8 TO 10.8 KG PENETRATORS

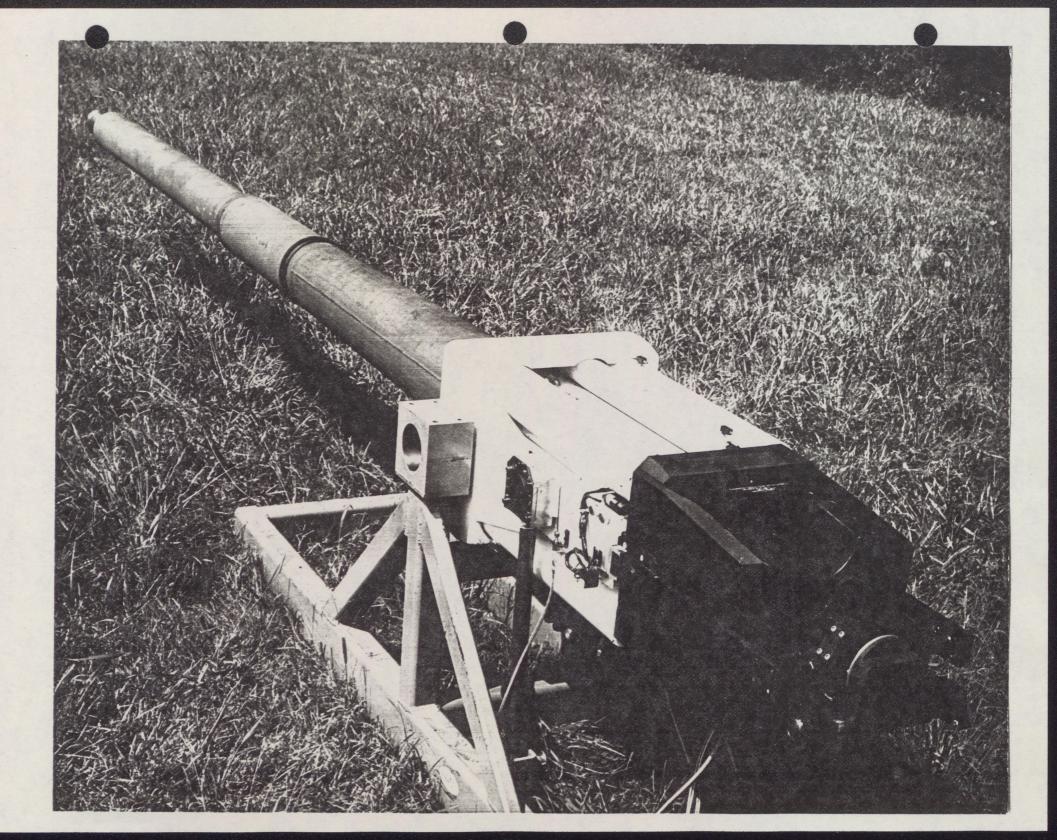
OBTAIN QUADRILATERAL AGREEMENT ASSURING FUTURE INTEROPERABILITY

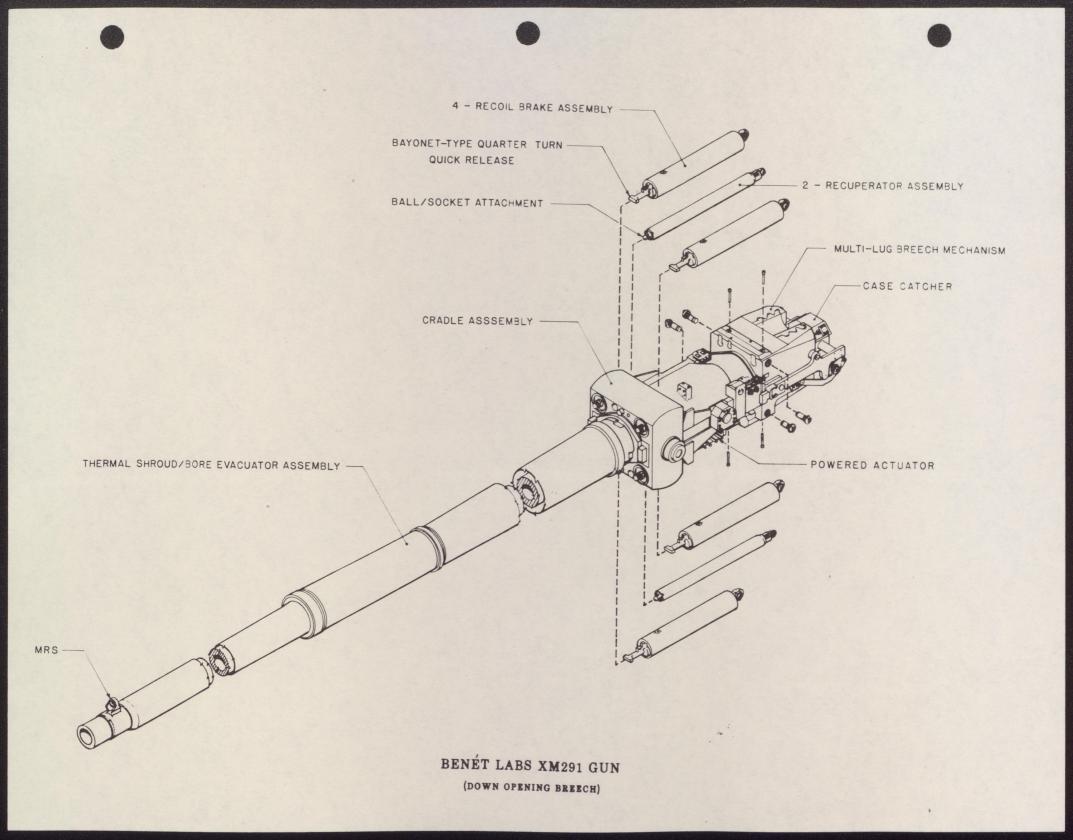
DESIGN FUTURE GUN COMPATABLE WITH NON-CONVENTIONAL PROPULSION

ASSURE BACKWARD INTEGRATION

BACKGROUND - WHY







XM291 GUN - GENERAL FEATURES

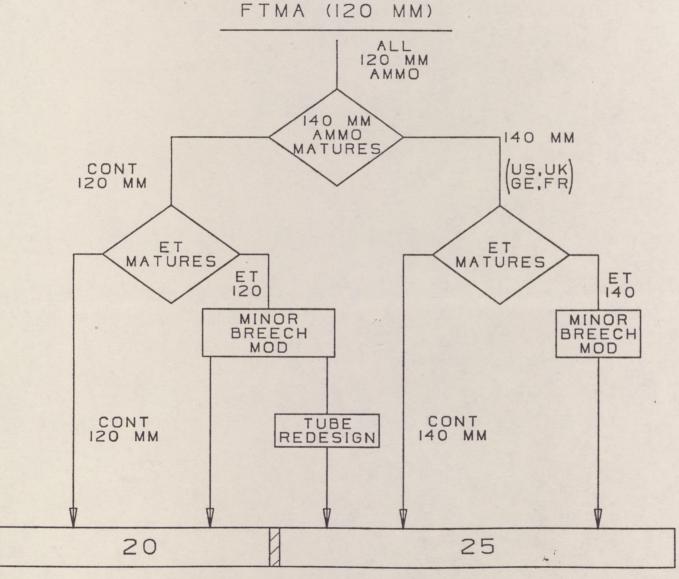
APPROXIMATELY SAME SIZE & WEIGHT
 AS 120mm GUN USED IN M1A1 TANK

- DOUBLES CAPACITY OF 120mm GUN
- FIRES 140mm OR 120mm AMMUNITION
 WITH SIMPLE TUBE CHANGE
- DESIGNED TO INSTALL ASSEMBLED GUN INTO TURRET THROUGH FRONT ROTOR OPENING

FUTURE TANK MAIN ARMAMENT (FTMA) A FLEXIBLE DESIGN FOR FUTURE APPLICATIONS

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MUZZLE ENERGY, MJ

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AUTOLOADER PROGRAM GOALS AND OBJECTIVES

GOALS

- DEVELOP SMART BUYERS
- DEVELOP SMART SELLERS

OBJECTIVES

- EARLY PROBLEM INDENTIFICATION
- TARGET TECHNOLOGIES
- DEVELOP / DEMONSTRATE SOLUTIONS
- DATA / SYSTEM DUMP TO INDUSTRY

GENESIS

CONSUMER REQUIREMENTS

- RATE OF FIRE
- RATE SUSTAINMENT
- UNLOAD / DOWNLOAD
- ETC,

LITERATURE / MARKET SEARCH

- US, UK, FR, GE, JN
- USSR

CONCEPT DEVELOPMENT

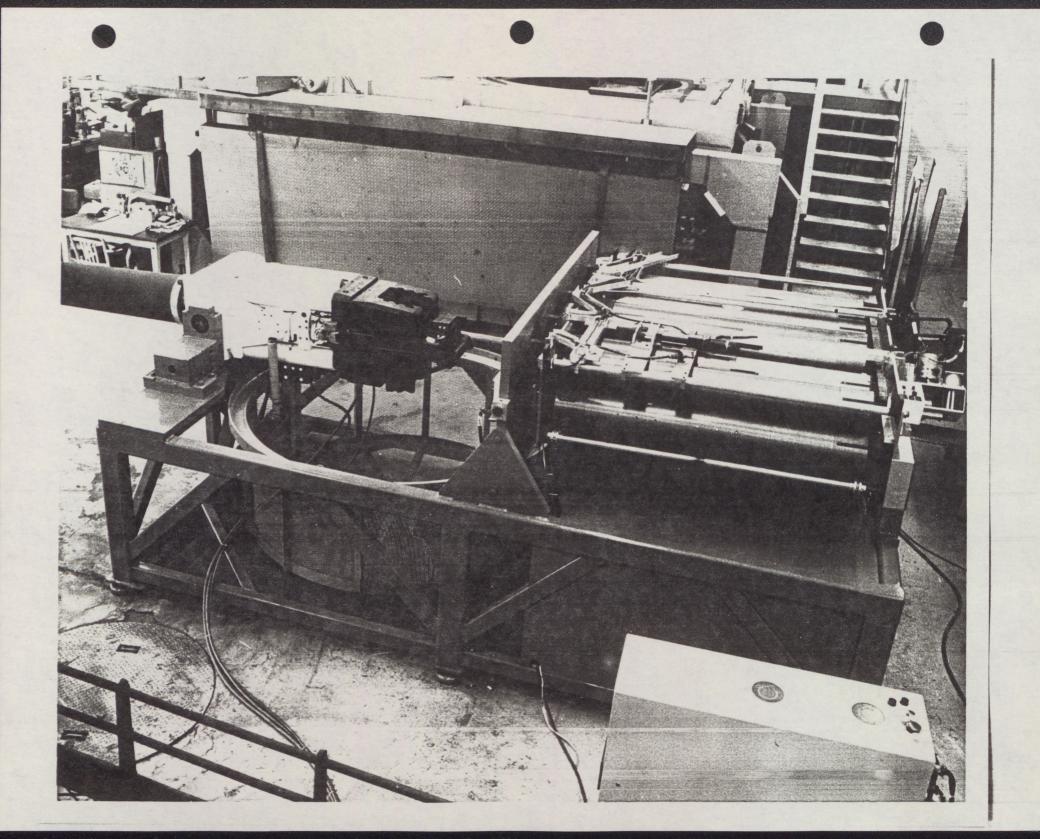
• TACOM, BRL, HEL, ARDEC

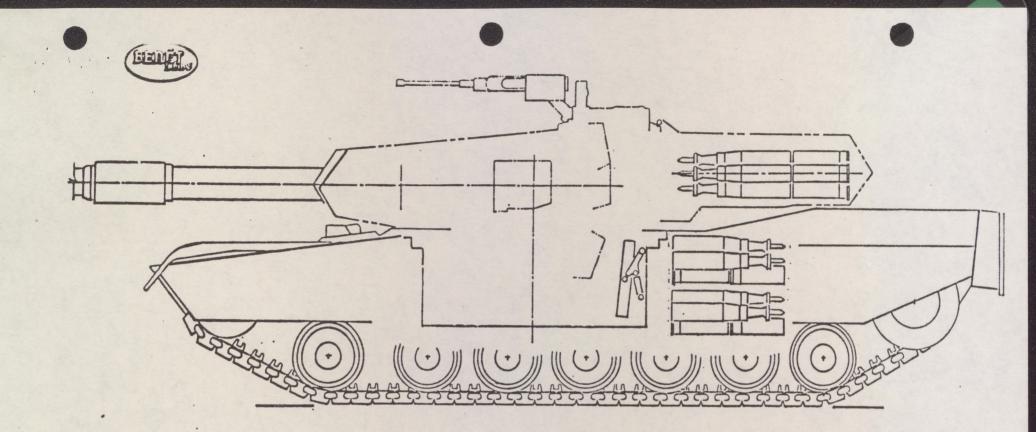
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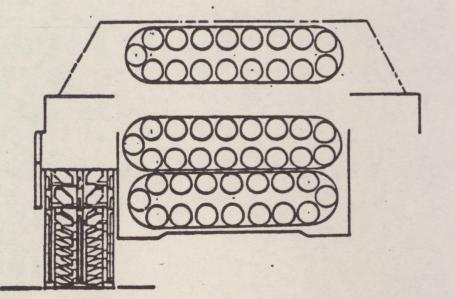
- FT. KNOX, PM's
- 8 CONCEPTS

EXECUTION

- SYSTEM
- SUBSYSTEM
- SYSTEMS

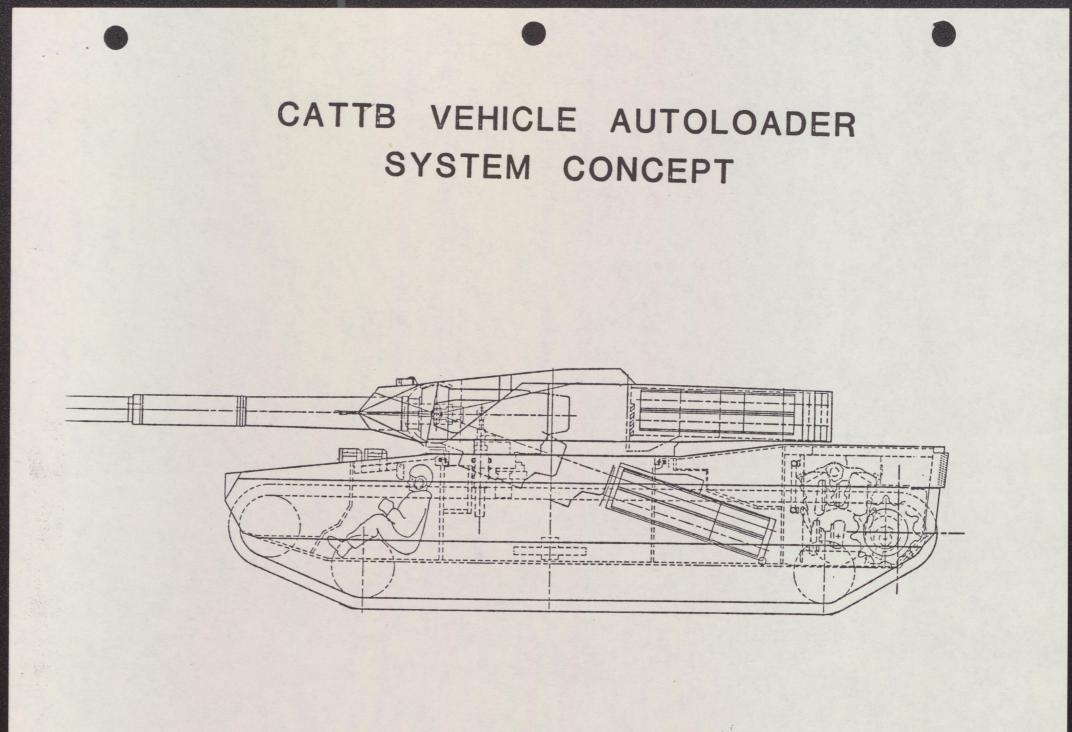






DESIGN FEATURES

- 39 STOWED ROUNDS -17 READY RDS. IN BUSTLE
- . IO / 12 ROUNDS PER MINUTE
- · AUTOMATED VEHICLE UPLOAD
- AUTOMATED READY RD. RESUPPLY



SENECA ARMY DEPOT Romulus, New York 14541-5001

ITINERARY FOR

GENERAL WILLIAM G.T. TUTTLE COMMANDING GENERAL OF AMC

07 October 1991

| TT ME | λοπτιτην | | ACTION |
|-----------|--|----------|---------------------------|
| TIME | ACTIVITY | | ACTION |
| 0830 | Arrival - Seneca Army Airfield | (NOTE 1) | COL Cross |
| 0830-0855 | Riding Tour of Lake Housing and Travel Camp (MISSION 7-FUNCTION 5) | | COL Cross Mr. Struzik |
| 0900-0915 | View & Receive Briefing on Emergency Opns Center (EOC) Bldg. 7 (MISSION 1-FUNCTION 8) | 01 | Mr. Smith |
| 0915-0930 | Reserve Component Training Briefing (MISSION 6-FUNCTION 9) | | MAJ Baker |
| 0935-1005 | Special Weapons Area | (NOTE 2) | LTC Beck/ Mr. Orndorff |
| | Bldg. 813/814-Care & Preservation (Remodeled facility, General Tut cut ribbon to open facility) (MISSION 1-FUNCTION 5) | | |
| | Ride-Through Balance of Area (MISSION 1-FUNCTION 3) | | |
| 1005-1015 | Travel to South End of Depot | | COL Cross |
| 1015-1025 | Tour of Warehouse #343 (Hazardous Material Conforming Stor (MISSION 1-FUNCTION 4) (MISSION 6-FUNCTION 6) | age) | Mr. Wells |
| 1025-1030 | Travel to Headquarters, Bldg. 101 | | COL Cross |
| 1030-1135 | Topical Briefings, Conference Room | (NOTE 3) | Staff |
| | Conventional Ammunition (MISSION 1-FUNCTIONS 1, 3, 10) Desert Storm Capacity Workload | 1 | Mr. Lankford |

APPROVED FOR PUBLIC RELEASE

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Topical Briefings (cont'd)

| Financial Management (MISSION 7-FUNCTION 6) | Mr. Windle |
|---|-------------|
| . Environmental Concerns | Mr. Kittell |
| (MISSION 7-FUNCTION 4) . TQM | Mr. Frank |
| (MISSION 7-FUCTION 3) • Safety Program (MISSION 7-FUNCTION 6) | Mr. Stincic |
| • EEO Program (MISSION 7-FUNCTION 5) | Mrs. Buther |
| . Civilian Personnel Status/Training Issues (MISSION 7-FUNCTION 7) | Mr. Mack |
| • FECA/COP (MISSION 7-FUNCTION 6) | Mr. Mack |
| Travel to Seneca Army Airfield via Gate 5 and Gate 16 | COL Cross |

1135-1145

Wheels Up

NOTES:

1145

- NOTE 1: COL Cross, Mr. Struzik, and CSM Heleg-Greza will meet visitors. Appropriate transportation and drivers will be available. CSM will have honor guard in place.
- NOTE 2: MAJ Noble will vouch CG and other visitors through Post 7. Van and driver will be prepositioned inside "Q" Area to transport party.
- NOTE 3: Attendees at briefings will be COL Cross, Mr. Struzik, Briefers, and DPA, DSup, DSW, and CSM.

OTHER SPECIFIC INFORMATION: Accompanying General Tuttle will be:

COL Philip Schrock, Execut e Officer MAJ Ray Mason, Aide-de-Cam CPT Jimmie Norris, Assistant SGS

SPECIAL INSTRUCTIONS: Dry Run of all briefings for visit will be at 1330 on 02 Oct in Conf. Rm., Bldg. 101. Briefing text and visuals should be ready at least in draft by then. Briefings will not exceed 5 minutes "talk time."

DISTRIBUTION: CDR/CEA/CSM Trp CDR (Mr. Evan Smith) DMPCA DAO DSW & Deputy DRM 2 DEH CF: Mr. Frank DIM. Badge Ofc PAO DLES DIA Con Sec Div DPA Vis Info DCP Vis Info DSup DLog C, General Supply CI Div Safety Manager EO Officer

SDSSE-PED (310-2c)

27 Sep 91

SUBJECT: Community Counseling Center (CCC)

PURPOSE: Implementation of the one-stop counseling center

FACTS:

- Seneca Army Depot's Community Counseling Center incorporated the Drug and Alcohol, Family Advocacy, Health Promotion and Community Mental Health Programs to allow for a one-stop prevention, education and counseling service to better meet the needs of our soldiers, family members and civilian employees.
- Health Services Command at Fort Drum credentialed the CCC staff to perform clinical treatment services. AMC approved the consolidation of the CCC concept subsequent to a one year successful trial period.
- Since the consolidation of the CCC it has been commended in the following areas:
 - 2nd place in DoD wide competition for Military Services Community Drug Awareness Award.
 - . Commended by Mr. James Gray, AMC Family Advocacy Program Manager for a quality Family Advocacy Program.
 - . Commended by the NWTI team for developing a creative program to more adequately meet soldier needs.
 - . Commended by Colonel Mindrum, DESCOM Surgeon, for developing a quality innovative program to better meet community needs.
 - During the GAO inspection held 13 17 May the inspection team commended the CCC for development of a "smarter" way to do business.
 - . All safety, surety and clinical inspections have resulted in outstanding reviews and comments.

| RELEASED BY: | ANTHONY J. STRUZIK A GM 15 | CTION OFFICER: | BROOKE L. BREWER, PhD GS 12 |
|--------------|-------------------------------|----------------|-----------------------------|
| | Civilian Executive | | Chief, Community |
| | Assistant | | Counseling Center |
| | 41771 | | 30319 |
| | | | |