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AGS COMPUTERS, INC.

AGS COMPUTERS' BACKGROUND

GENERAL

AGS Computers is an independent software firm which was established in 1967 and has provided Systems Analysis and Design, Computer Programming, Technical Communications and Computer Applications Services for over 50 well-known industrial, financial and educational organizations.

AGS was founded on the premise that there existed throughout industry a need for high-quality professional services – services which would be provided to the user from the user's point of view. As a result, a company such as AGS depends heavily upon the qualifications and experience of its personnel. Originated by a group of computer specialists, AGS' technical staff has been developed to combine the best qualities of experience, thoroughness and technical imagination. The majority of the staff possess university degrees in mathematics, engineering or the physical sciences. In addition, the Technical Staff members average seven years experience in the software field, and the Senior Staff members average 12 years experience with modern information systems.

USER EXPERIENCE

The management and staff of AGS realize the importance of understanding the needs of computer users and are fully aware of the problems that can arise as a result of any difficulty in understanding the user's requirements. Virtually all of AGS' personnel have at one time or another, before joining the company, been in the position of a computer user. This has been found to be an extremely important asset when it comes to helping computer users satisfy or even define their software needs. It not only expedites production of the desired end result by eliminating problems caused by a lack of understanding, but it also creates an atmosphere where the efficient translation of raw data to usable information becomes the primary concern.

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MANAGEMENT APPROACH

AGS has built its reputation upon the premise that management tasks associated with computer utilization can be realistically planned and competently executed to meet technical, cost and calendar time objectives. To ensure that these objectives are met, AGS' management has developed detailed guidelines for project management.

AGS uses a comprehensive project control system as a strict management policy. The company designates a Project Manager for the assignment. His first task is to prepare a detailed project plan. This document contains, as appropriate, the following:

- Discussion of the overall technical problem and the approach.

- A logical organization of activities to complete the project.

- A detailed project schedule and milestone.

- The project organization – both AGS' and the Clients' to insure proper liaison.

- Level of documentation activities appropriate to the project

- Potential problem areas.

These rigid disciplines result in complete project control. Based on an imaginative technical approach, the result is a thoroughly professional product.

It must be emphasized that the management techniques described here are not idealized goals or "campaign promises" but the **CURRENT PRACTICE OF AGS ON EVERY PROJECT.**

PROJECT WORKBOOK

All projects have a project workbook, maintained by the project team. This document is the major item of the day-to-day working documentation. All notes, analytical studies, conclusions, designs, flow diagrams, program specifications and meeting minutes pertaining to the project are entered in the workbook. Normally, this material would be available for the client's inspection to insure a full understanding of the project, its problems and day-to-day status.

Management requires meaningful and comprehensive status reports, as appropriate. Full consideration is given to special needs of the client in meeting his own internal reporting requirements and special documents.

AGS will ensure the client that management personnel are kept abreast of all programs and sub-programs in their area of responsibility. Testing procedures for each program will be thorough and complete. As a result, once AGS feels a program is completed, it should be immediately acceptable without further separate testing.

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AGS REPRESENTATIVE CLIENTS

- American Export Industries, Inc.
- American Re-Insurance Company
- American Telephone & Telegraph Company
- Angelo Foods, Inc.
- Basic Economic Appraisal, Inc.
- Bell Telephone Laboratories
- Beneficial Finance Company
- City of New York – Board of Education
- Columbia Broadcasting System
- Cowles Communication, Inc.
- Engelhard Minerals and Chemicals Co.
- Federal Pacific Electric Co.
- FMC Corporation
- Ford Foundation
- Francis I. DuPont and Co.
- General Adjustment Bureau
- Great Atlantic & Pacific Tea Co.
- Harcourt, Brace & World
- Hoerbiger Corporation of America
- IBM Corporation
- Insurance Company of North America
- Josephthal and Co.
- Kennecott Copper Corporation
- Litton Industries, Inc.
- Loeb Rhoades and Co.
- Long Island Lighting Co.
- Lybrand Ross Bros., & Montgomery
- Main LaFrentz and Co.
- McGraw-Hill, Inc.
- Metropolitan Savings Bank
- Miles Shoes Inc.
- Moore-McCormack Lines, Inc.
- Nabisco
- New York Shipping Association
- New York Telephone Co.
- Pershing and Co.
- Perth Amboy General Hospital
- Pfizer, Inc.
- RCA Corporation
- Schenkers Freight Forwarders, Inc.
- Squibb Beech-Nut, Inc.
- Standard Oil (N.J.) Co.
- Sun Chemical Corporation
- United States Lines, Inc.
- United States Steel Corp.
- Wakefern Food Corporation
- Warner-Lambert Pharmaceutical Co.

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INVENTORY OF PROJECT EXPERIENCE

AGS, being a project oriented company, has completed many projects covering a broad gamut of technical responsibility. Descriptions of some of these projects are as follows:

AMERICAN TELEPHONE AND TELEGRAPH

At A T & T, AGS designed and programmed a time sharing system for projecting budget requirements.

BELL TELEPHONE LABORATORIES, INC.

At Bell Labs' Raritan River Test Center, AGS provided both administrative and technical (programming) support. Some of the tasks undertaken included work in I/O Control, Library, Scheduling, Accounting, and general trouble-shooting. This effort was for both the IBM 360/65 and the RCA SPECTRA 70/55.

BENEFICIAL FINANCE COMPANY

At Beneficial, AGS programmers designed and programmed a comprehensive payroll and personnel system. AGS has evaluated the requirements and is presently designing segments of a nationwide loan office teleprocessing system.

COLUMBIA BROADCASTING COMPANY

AGS has been selected by CBS Television News as consultants on the 1970/1972 CBS News Election-Night System. This responsibility includes hardware selection, software selection, programming, systems documentation, and overall control of all staff support. This system involves an IBM 360/65 with a teleprocessing network.

ENGELHARD INDUSTRIES, INC.

AGS has conducted courses in Computer Fundamentals and COBOL.

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FORD FOUNDATION

For the Ford Foundation AGS provides systems design and programming support in the design and implementation of financial accounting systems.

IBM CORPORATION

AGS is assisting IBM in several areas. AGS participated in the design, development, and implementation of software for a new IBM stored program, message switching/line concentrator. This is a programmable front end computer that functions in conjunction with a host computer to handle communications for a large number of local and remote terminal devices. This project included the development of the supervisor, the executive, and several utility routines.

AGS staff consultants have participated in the development of advanced third generation software packages for the IBM Advanced Systems Development Division. This effort included involvement in IBM's Time/Share and Teleprocessing System Software. This specifically involved work on the input/output supervisor of the IBM System 360/67 time/sharing monitor, and the integration testing of the multi-processor.

LITTON INDUSTRIES, INC.

AGS has provided Litton with support in the programming of customer applications on its own make computers.

LONG ISLAND LIGHTING COMPANY

For LILCO, AGS implemented sections of a realtime, teleprocessing customer inquiry system. This project included designing special file organization and access methods, creating the BTAM interface modules, and writing special message handling and routing programs.

AGS designed and implemented a Construction - Engineering Scheduling system which creates and maintains a work order master file and generates a calendar representation of its Engineering Estimating Form.

MOORE-McCORMACK SHIPPING LINES

AGS designed and implemented a teleprocessing system for documentation and containerization accounting. The project was oriented around the IBM 360/40 with 2260 inquiry devices.

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NEW YORK TELEPHONE CO.

AGS has designed and implemented a large number of MIS applications for a variety of different departments. At the present time AGS is designing a system for the assembly of telephone calls for billing purposes.

SANDERS ASSOCIATES, INC.

For Sanders, AGS designed and programmed a Multiband Automatic Test Equipment System (MATE) for airborne electronics surveillance. This project included the design of an English Language Compiler, Executive Operating System, and several utility maintenance packages.

In addition, under contract to Sanders, AGS developed and implemented a simulator for the AVIS Rent-A-Car National Teleprocessing System, soon to be installed nationwide.

STANDARD OIL (N.J.) CO.

AGS consultants assisted Esso in the installation and design of applications using IMS. AGS is providing advice on both the internal (systems programming) and external (application) areas of IMS.

UNITED STATES LINES

AGS designed and implemented an on-line realtime system for container control. The system utilized a network of CRT terminals for updating and inquiring as to container status.

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AGS SERVICES

Education Seminars and Courses
Equipment Evaluation
Facility Management
Feasibility Studies
Installation Audit
Management Consulting
Proprietary Systems
Software Marketing
Standards Manuals

SYSTEMS AND PROGRAMMING

Brokerage Accounting
Communications
Compilers
Conversion
Data Base Design
Emulator Acceptance Package
Executives
Hospital Accounting
I.M.S.
Information Retrieval
Insurance Accounting
Integrated Data Processing
Linear Programming
Loan Office Accounting
Management Information Systems
Mathematical and Engineering Analysis
Message Switching
Microfilm Applications
Monitors
Optical Scanning
Payroll and Personnel Systems
Process Control
Route Accounting
School Scheduling
Simulators
Software Modifications
Systems Engineering Services
Teleprocessing
Test Data Generators

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