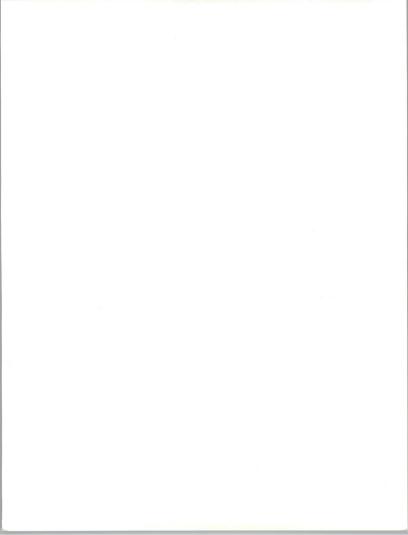
# Banking/Finance Vertical Market Case Study: Investors Group—Client Account Servicing System

Charles N. Gregory Senior Vice President Atkinson, Tremblay & Associates Inc. (An AGS Information Services Canadian affiliate)



## INPUT

1992 SYSTEMS INTEGRATION CONFERENCE

**BANKING VERTICAL MARKET** 

## FINANCIAL SERVICES SECTOR

\* \* \*

## CASE STUDY

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## DEVELOPMENT OF AN

## INTEGRATED CLIENT

## ACCOUNT SERVICING SYSTEM

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BANKING VERTICAL MARKET INTEGRATED FINANCIAL SERVICES - CASE STUDY

AGENDA

- 1 CLIENT BACKGROUND
- 2 SYSTEMS ENVIRONMENT TO BE REPLACED
- 3 BUSINESS OBJECTIVES
- 4 APPROACH TO ARCHITECTURE
- 5 PROJECT MANAGEMENT
- 6 DELIVERED SYSTEM

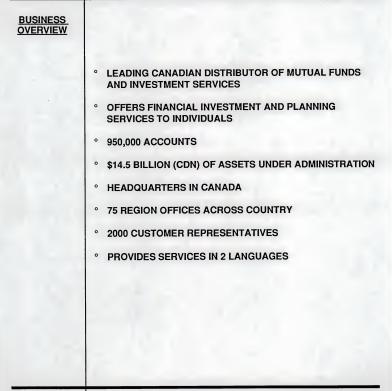
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### CLIENT BACKGROUND



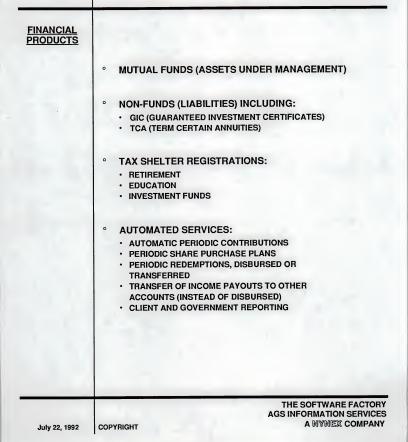
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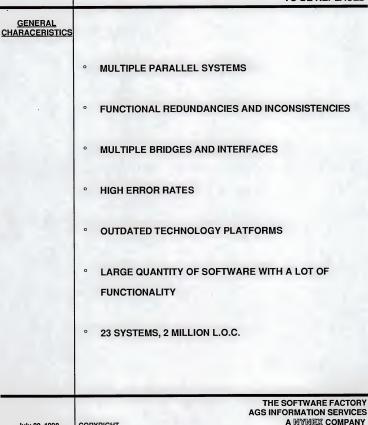
## CLIENT BACKGROUND





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#### SYSTEMS ENVIRONMENT TO BE REPLACED

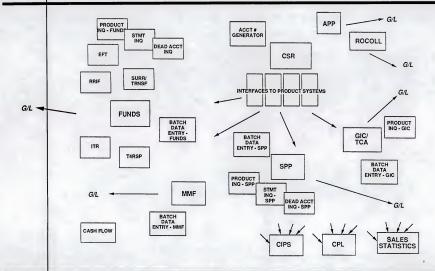


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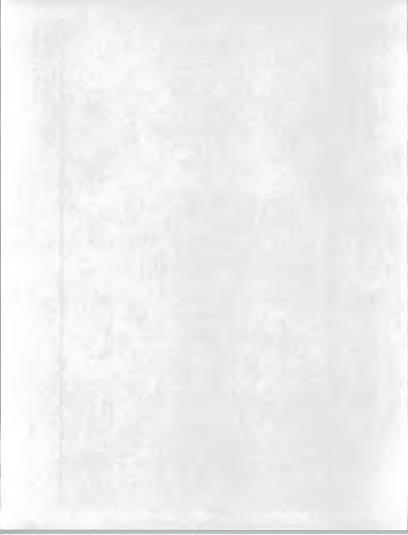
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## SYSTEMS ENVIRONMENT TO BE REPLACED



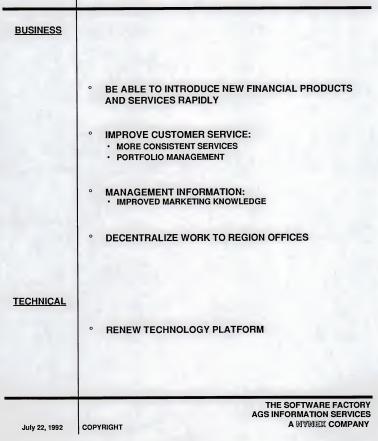
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### OBJECTIVES





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### APPROACH TO ARCHITECTURE

## OBJECTIVE

The system had to be relatively small less software would mean less time

In order to impose low maintenance costs and low risks, the system had to be independent of organization and procedures

> System had to overcome the pitfalls of today's systems

## DEVELOP A SMALLER SYSTEM

FLEXIBLE CONSISTENT ACCURATE



## ARCHITECTURAL APPROACH

CONCEPT - ING ™

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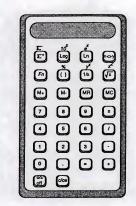


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## APPROACH TO ARCHITECTURE

CONCEPT-ING

## ANALOGY OF THE SCIENTIFIC CALCULATOR



The goal of Concept-ing is to find the ideal set of "buttons" such that, for any business procedure, some combination of "buttons" will automate the procedure

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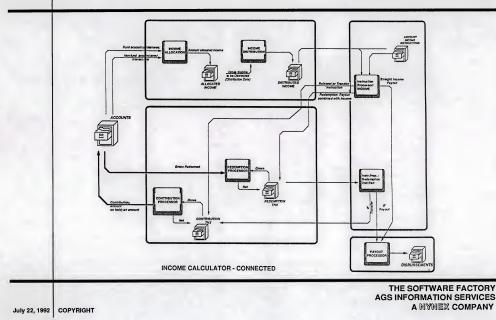
## APPROACH TO ARCHITECTURE

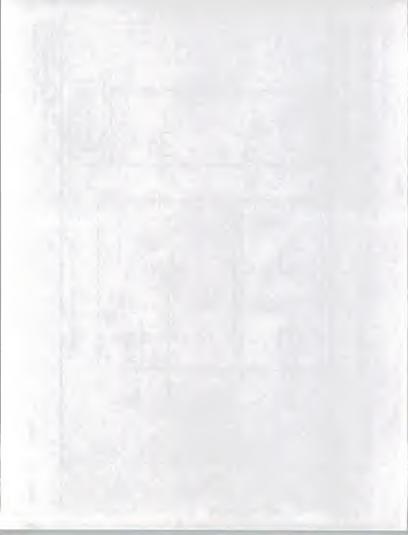
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## APPROACH TO ARCHITECTURE





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### APPROACH TO ARCHITECTURE



 HIGH LEVEL OF REUTILIZATION OF SOFTWARE COMPONENTS (70-80%)

## SOFTWARE NOT CIRCUMSTANTIAL IN DESIGN

- STABLE
- ADAPTABLE

## SEPARATION OF SYSTEM FUNCTIONS FROM USER INTERFACE

#### TESTING SIMPLIFIED:

- FOCUSED IN UNIT FUNCTION TESTING
- INTEGRATION ONLY CONSISTS OF TESTING LINKS

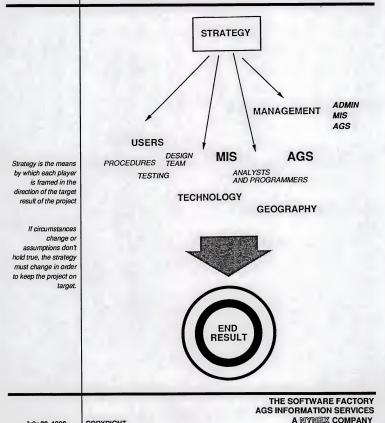
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## **PROJECT MANAGEMENT**



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PROJECT MANAGEMENT

PRINCIPLES OF PROJECT MANAGEMENT STRATEGY

CHANGE STRATEGY TO REMAIN ON TARGET

DEFENSE

NEVER GO BACK AND REDO

CONTINUALLY IMPROVE PRODUCTIVITY

TARGET

INCREASE IN \$ ----- MORE SOFTWARE

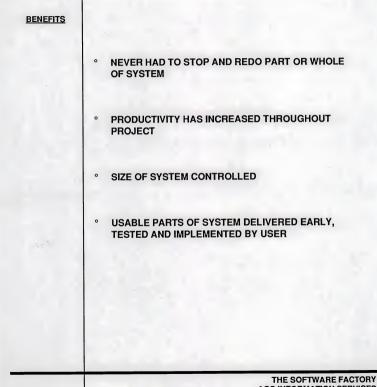
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## PROJECT MANAGEMENT



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### DELIVERED SYSTEM

#### SIZE

- FIRST VERSION 3500 FUNCTION POINTS
  ONE NEW PRODUCT NON-FUND
- SECOND VERSION 5500 FUNCTION POINTS
  NON-FUNDS
- THIRD VERSION 8000 FUNCTION POINTS
  - FUNDS

### QUALITY

DEFECT REMOVAL RATE > 97%

#### PRODUCTIVITY

- SECOND VERSION 11.7 FP/PM (INCLUDING V.1)
- ° THIRD VERSION 20 FP/PM

#### PERTINENCE

- <sup>o</sup> USER DEVELOPED ALL PROCEDURES ON HIS OWN
- NO BUSINESS PROCESS FOUND THAT SYSTEM WOULD NOT DO

#### PERFORMANCE

 BATCH RUN TIMES IMPROVED WITHOUT DISRUPTING ARCHITECTURE

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## Charles N. Gregory Senior Vice President Atkinson, Tremblay & Associates Inc. (ATA)

### PROFILE

Charles Gregory is a Senior Vice President of ATA in Montreal and is responsible for the operations of the Montreal Consulting Unit and the ATA Software Factory.

Charles joined ATA in August 1983 as Vice President, Montreal Consulting Unit, and during the next five years increased business to over \$5 million in annual revenues. ATA offers a full range of information systems services, including strategic planning, systems development and implementation of advanced methodologies and tools.

In 1898, as Senior Vice President of Marketing, he was responsible for the launching of the ATA Software Factory. The mission of the Factory is to undertake the development of custom business software systems.

Prior to joining ATA, Charles worked for sixteen years for IBM Canada. When he left IBM, his position was that of Branch Manager, Montreal Banking and Transport. Prior to that he held a variety of positions in marketing management, marketing, business practices and systems engineering.

He was awarded a Bachelor of Science, Honors degree in Physics from the University of Bristol and a Diploma of Education from the University of Oxford. He started his career in education, working in France and England prior to emigrating to Canada in 1965.

Charles is an active amateur musician playing the violin and viola in orchestras and chamber music groups. He is a member of the Board of Directors of the Montreal International Music Competition.

Charles and his wife, Suzanne, live in Westmount, Quebec with their two daughters, Anne-Marie and Valerie, who both attend the Villa Ste. Marcelline school.



