SUCCESSFUL CONVERSION FROM
TWO IBM SYSTEM/3 TO A HP3000

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THE PURPOSE OF THIS PRESENTATION IS TO RELATE THE DUNDEE CEMENT
COMPANY EXPERIENCE IN CONVERTING FROM THE IBM SYSTEM/3 MODEL 10 AND
MODEL 15 COMPUTERS TO A HP3000.

WE STARTED WITH 500 RPG PROGRAMS IN DUNDEE,MI AND 400 RPG PROGRAMS
IN HOLLY HILL,SC. WITH ONLY THREE PEOPLE, WE HAD HOLLY HILL RUNNING LIVE
IN 5 MONTHS AND DUNDEE RUNNING LIVE IN 10 MONTHS.

OUR MAJOR PROGRAMMING EFFORT WAS THE ON-LINE KEYPUNCH VERIFICATION
USING V/3000. OUR SECOND MOST TIME CONSUMING EFFORT WAS THE JCL
PREPARATION AND JCL DEBUGGING.

IN THIS PRESENTATION THE SUBJECTS TO BE COVERED ARE:
     A. IBM SYSTEM/3 VS HP3000 BENCHMARK
     B. PROGRAM CONVERSION
     C. OCL TO JCL CONVERSION
     D. DATA ENTRY PROBLEMS
     E. HP3000 ACCOUNTING STRUCTURE
     F. CONVERSION PLUS TWO YEARS

1. BENCHMARK

     A. TIMINGS - 100 HOURS/MONTH TO 35 HOURS/MONTH
     B. SOURCE LINE NUMBER IDENIFICATION FOR PROGRAM ABORTS
     C. DEVICE INDEPENDENCE

2. PROGRAM CONVERSION

     A. TRANSPORT SOURCE TO HP3000 VIA MAGNETIC TAPE OR RJE BYSYNC
     B. DEVICE CONVERSION IN THE FILE STATEMENTS
     C. ISAM TO KSAM
     D. PACKED FIELDS TO UNPACKED ASCII
     E. DATECARDS BY APPLICATION
     F. EZRPG FOR PROGRAM CODING IN FREE FORMAT
     G. HANDLING HALT INDICATORS

3. OCL TO JCL CONVERSION

     A. CONVERSION AID PROGRAM
     B. EXPLICIT DEFINATION OF EACH FILE STATEMENT
     C. IBM S/3 SORT PROGRAM
     D. "XX" JOBS
     E. SPECIAL FORMS ALIGNMENT
     F. REMOTE HP2631 PRINTERS
     H. JCL LISTINGS IN SPOOK

4. DATA ENTRY OR KEYPUNCH FUNCTION

     A. V/3000 AND THE ENTRY PROGRAM
     B. "SKIPPER" AND COBOL VERIFICATION
     C. MULTIPLE LINES (LOGICAL RECORDS) PER SCREEN
     D. SPEED OF KEYPUNCH VS HP2645

5. HP3000 ACCOUNTING STRUCTURE

A. GROUPS BY APPLICATION,EX. PAYROLL,SALES SATAISTICS
B. DATAENTRY GROUP
C. JOB GROUP FOR JCL
D. SOURCE GROUP FOR PROGRAMS
E. DOCUMENT GROUP

6. CONVERSION PLUS TWO YEARS

A. HOLLY HILL RUNNING LIVE IN 5 MONTHS FROM AN IBM S/3 MODEL 15
B. DUNDEE RUNNING LIVE IN 10 MONTHS FROM AN IBM S/3 MODEL 10
C. REMOTE ORDER ENTRY IN 24 MONTHS
D. AVERAGE USERS IS 18 PER DAY
E. OS TO HP3000 SERIES 30
F. 50 SALESMEN USING DIAL UP TO A MARKETING DATA BASE
G. ON LINE INVENTORY DATA BASE
H. FORTRAN CONVERSION FROM AN IBM 1800 PROCESS COMPUTER TO HP3000