SOFTWARE INTELLIGENCE®

WITH

SMART TS XL™

ENTERPRISE-WIDE SEARCH, IMPACT AND ANALYSIS
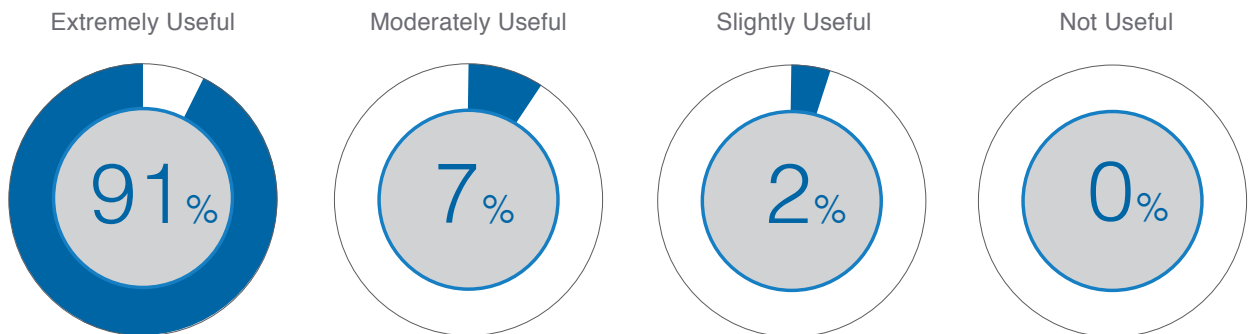
IN-COM
DATA SYSTEMS

Uses & Tools

Search results need to be accurate and immediate - especially when attempting to resolve production problems, identify the impact of a change, or estimate the scope of an application maintenance project. But search results need to provide more than a mere list of where components can be found. Finding information is insufficient; information must be relevant and actionable.
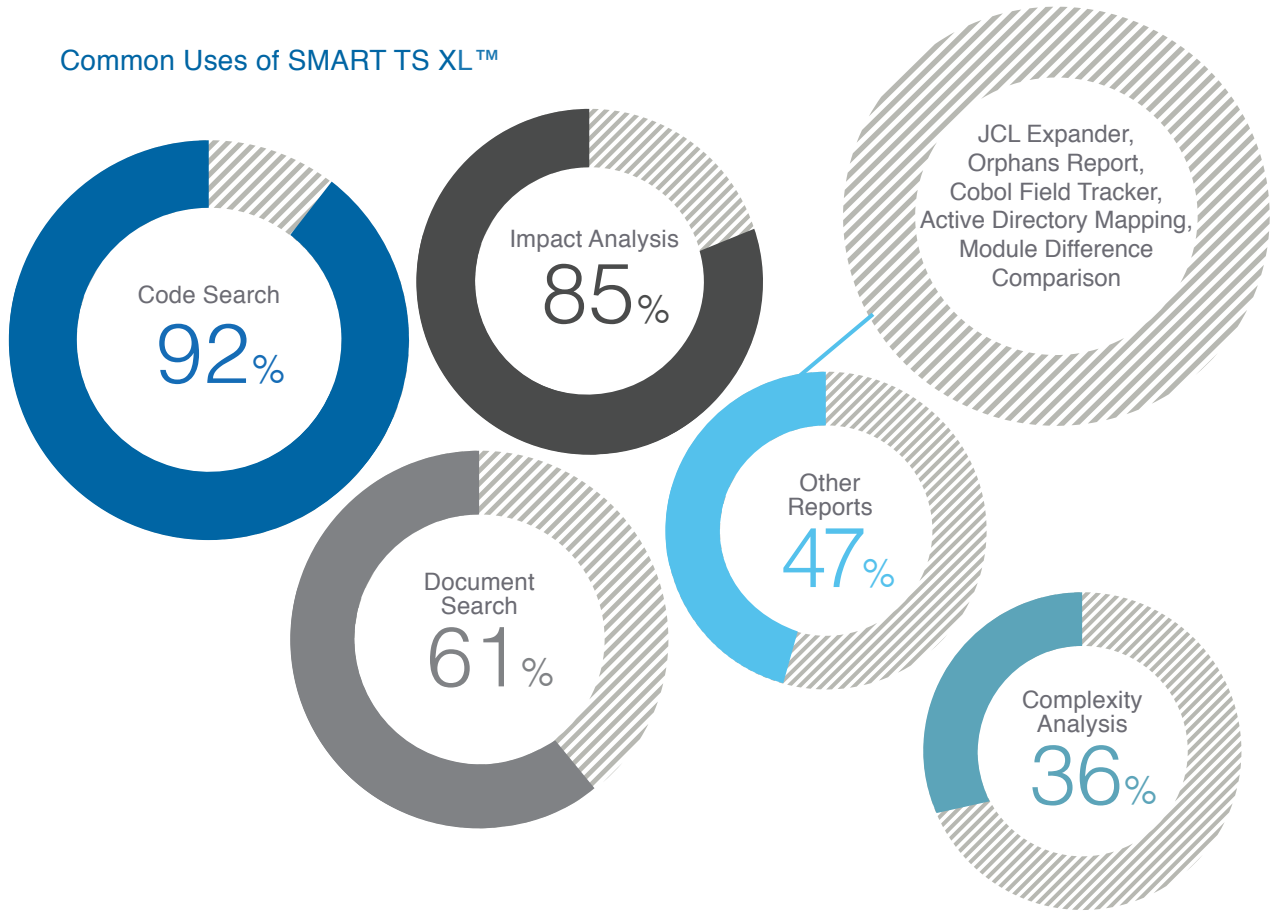
What is needed is the ability to follow the thread of every element and understand how it is used across modules, and to graphically formulate all related information in a logical and navigable display.

The SMART TS XL™ software is a unique product that stands out among other application portfolio management tools. Our clients use it to find anything instantly, regardless of whether the necessary information is in distributed or mainframe environments. The SMART TS XL™ software affords users the ability to search, analyze and review the information they need - when they need it.
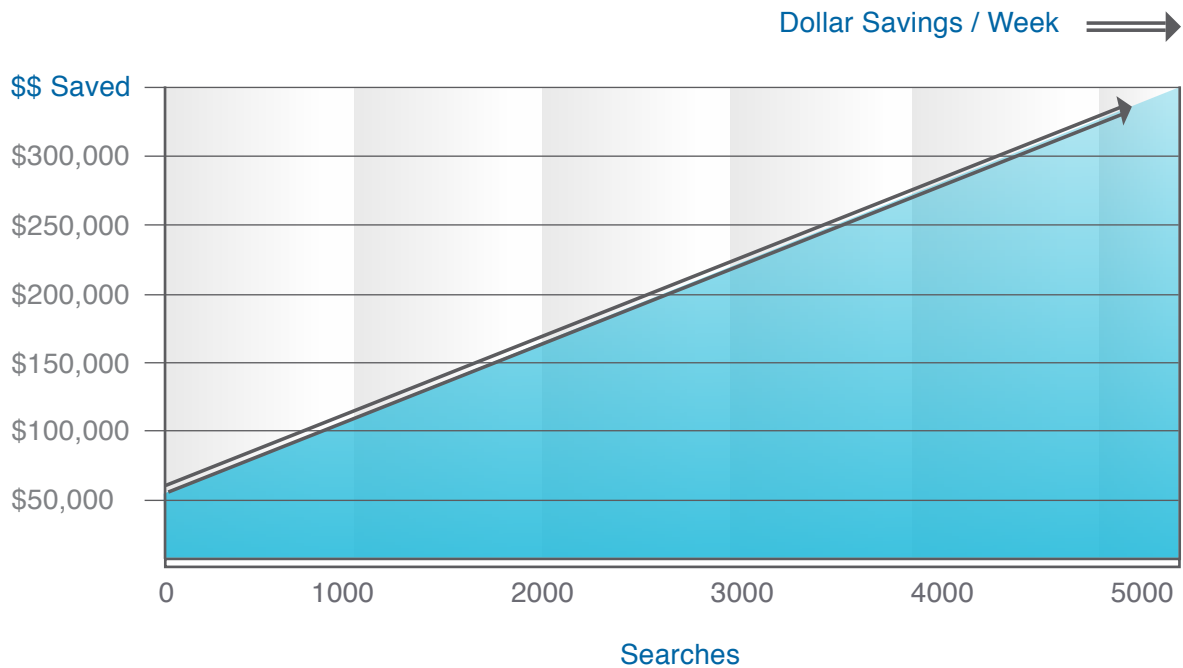
SMART TS XL™ Users Describe How Useful They Find the Software Suite.

Extremely Useful	Moderately Useful	Slightly Useful	Not Useful
91%	7%	2%	0%

Common Uses of SMART TS XL™

Code Search
92%

Impact Analysis
85%

Document Search
61%

Other Reports
47%

Complexity Analysis
36%

JCL Expander,
Orphans Report,
Cobol Field Tracker,
Active Directory Mapping,
Module Difference
Comparison

Overall Savings per Week with SMART TS XL™

Dollar Savings / Week ⟹

$$ Saved

$300,000

$250,000

$200,000

$150,000

$100,000

$50,000

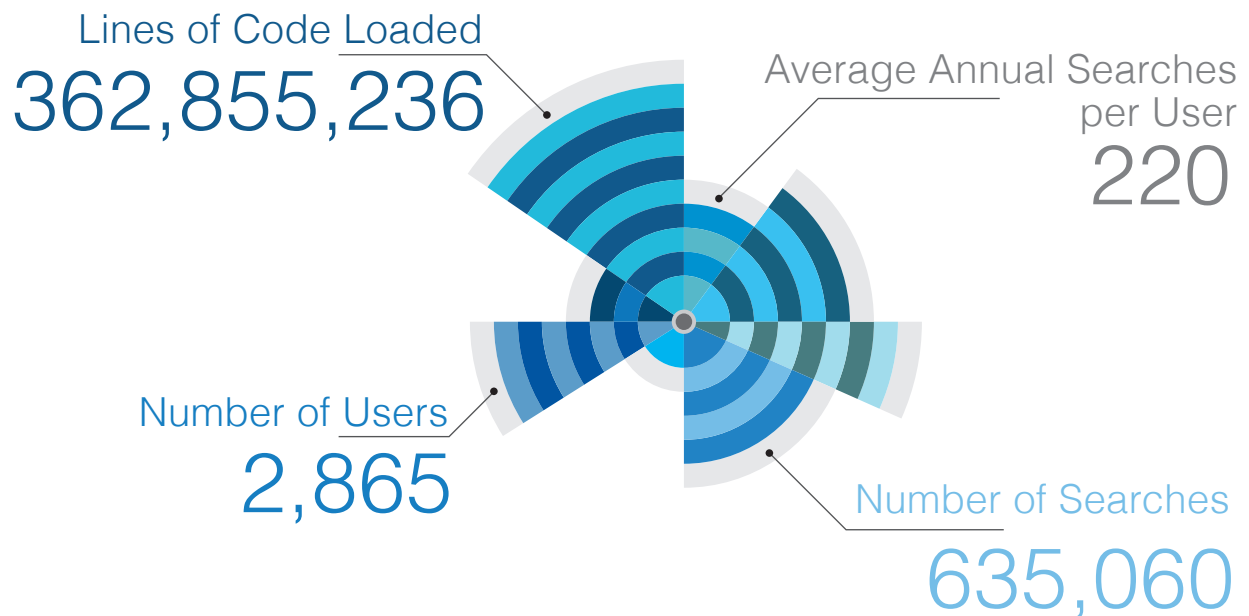0   1000   2000   3000   4000   5000

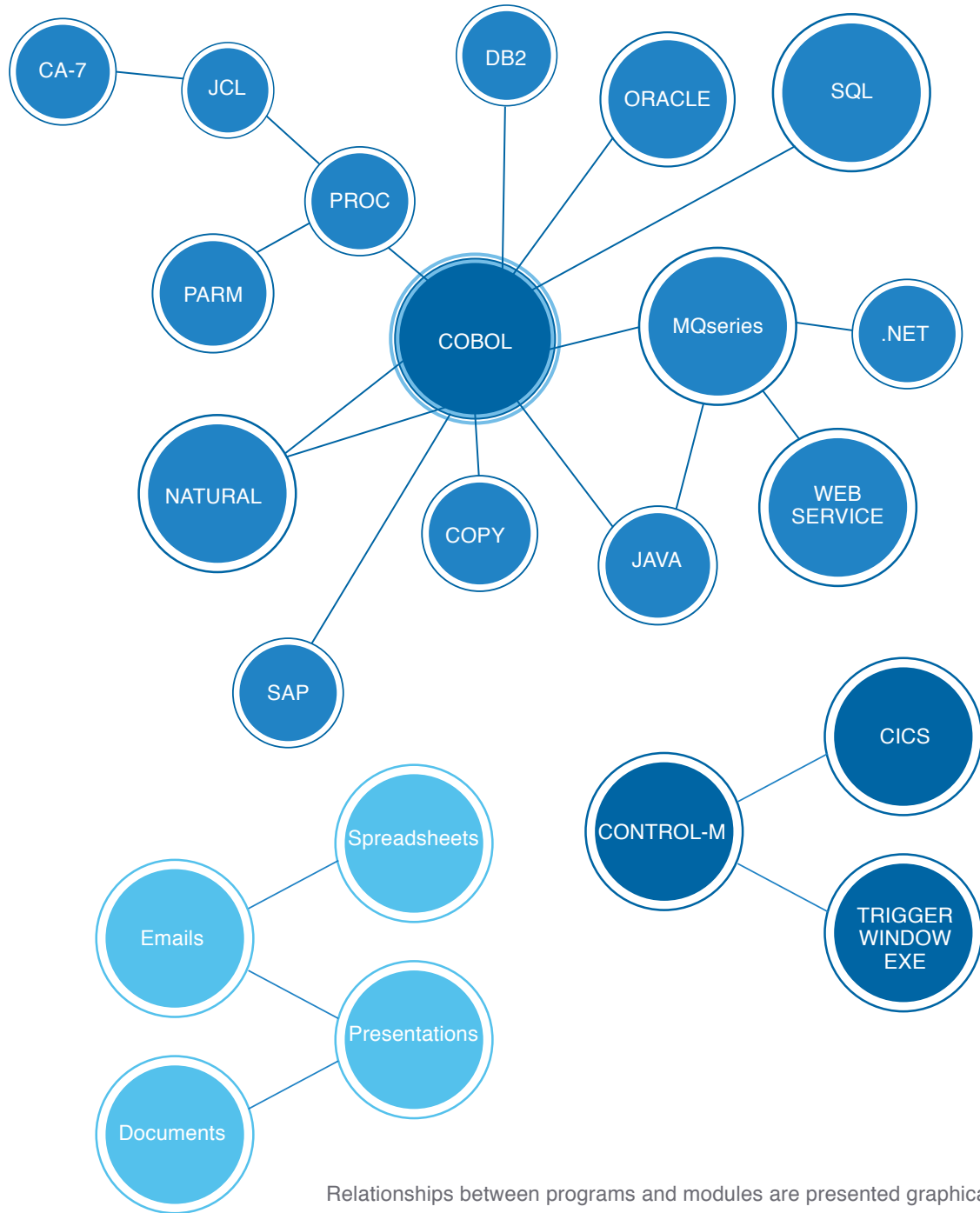**Searches**

Power & Connections

Patented technology in the SMART TS XL™ software indexes and analyzes millions of lines of code and other information assets in seconds. The powerful search engine core searches and understands source code syntax, and can instantly pinpoint information in documents, e-mails, router configurations, database schemas, procedures, tables and raw data.

The ease with which application developers and other IT workers can search and drill-down through layers of information lets them adapt quickly to a complex IT environment. Level of effort reports, batch compliancy searches, detailed audit trails and other tools provide project managers and other team members with the breadth and scope of projects in the pipeline.

Statistics from Seven Representative Clients

Lines of Code Loaded
362,855,236

Average Annual Searches
per User
220

Number of Users
2,865

Number of Searches
635,060

See How Modules are Connected with SMART TS XL™

CA-7 — JCL
DB2
ORACLE
SQL
PROC
PARM
COBOL
MQseries
.NET
NATURAL
COPY
JAVA
WEB SERVICE
SAP

Spreadsheets
Emails
Presentations
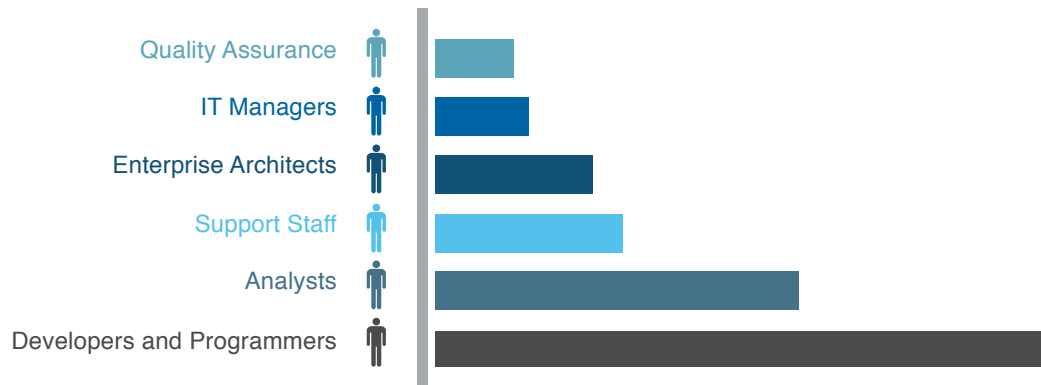Documents

CONTROL-M
CICS
TRIGGER WINDOW EXE

Relationships between programs and modules are presented graphically, clearly displaying how all of your information is connected.
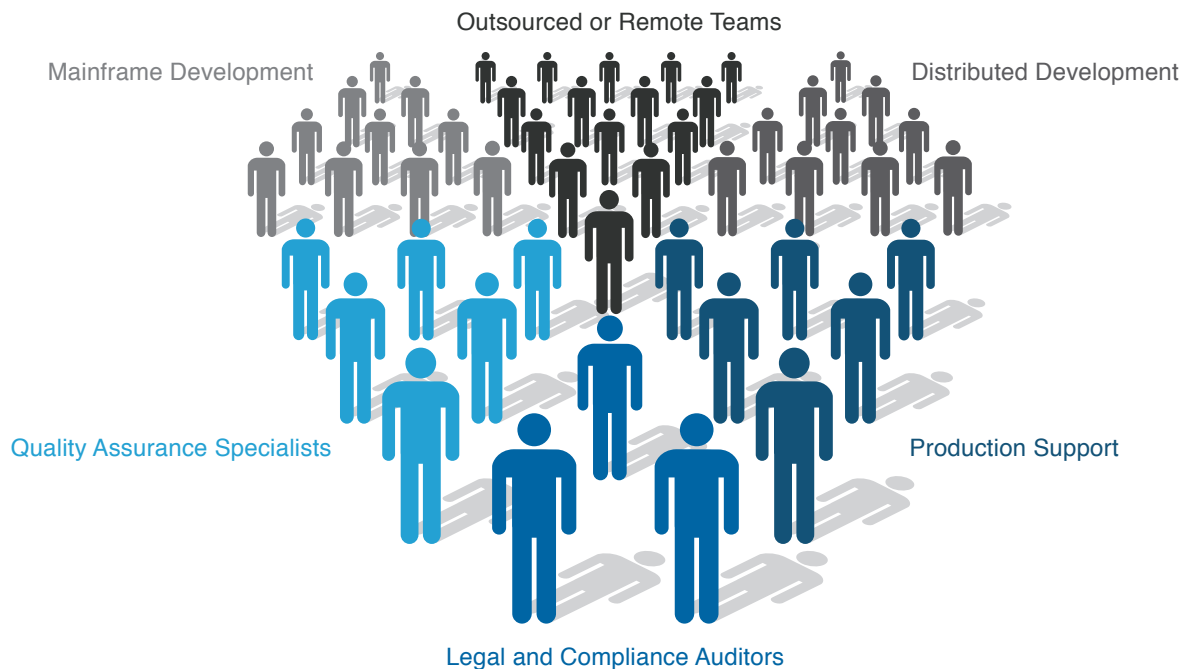
Clients & Industries

With the SMART TS XL™ software, IT departments in many different industries are better equipped to perform system conversions or upgrades, complete complex application development projects, and manage elaborate ERP systems.

The search platform enables full understanding of IT systems and processes to agencies and auditors, whether they are within the organization or are external to it.
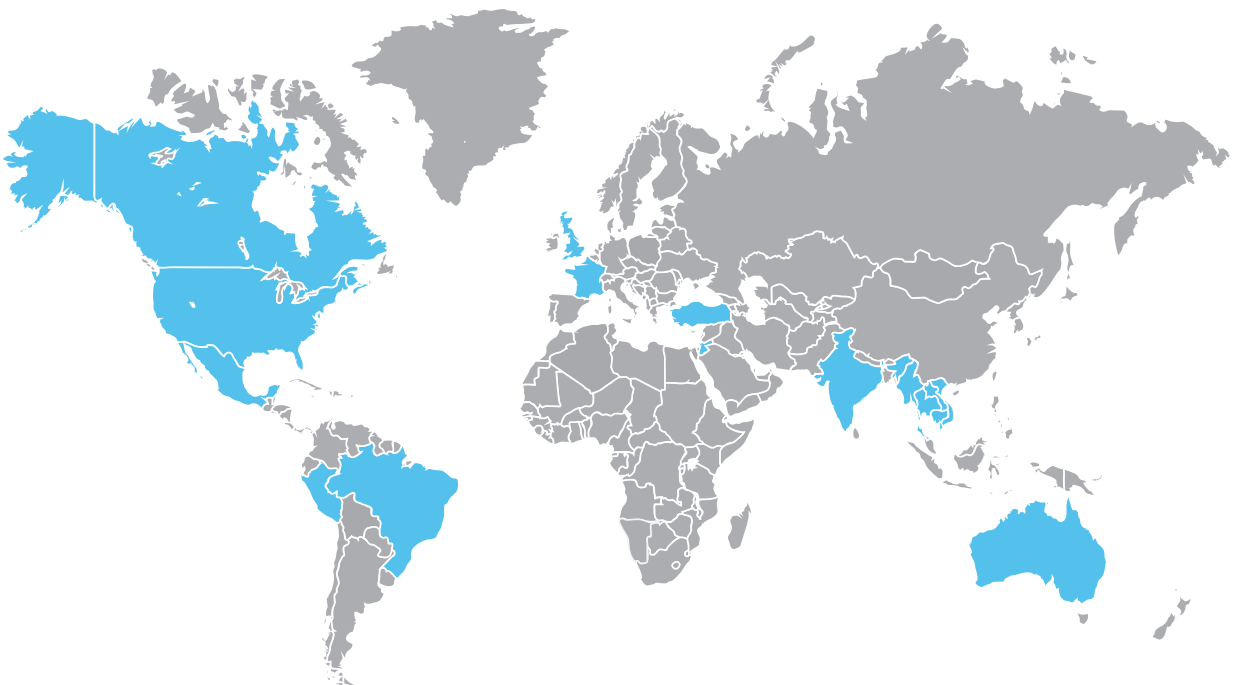
Job Functions that Use SMART TS XL™

SMART TS XL™ is Used in Many Departments

Companies in Various Industries Use SMART TS XL™

Education

Railroad

Retail

Pharmaceuticals

Manufacturing

Shipping

Financial

Telecommunications

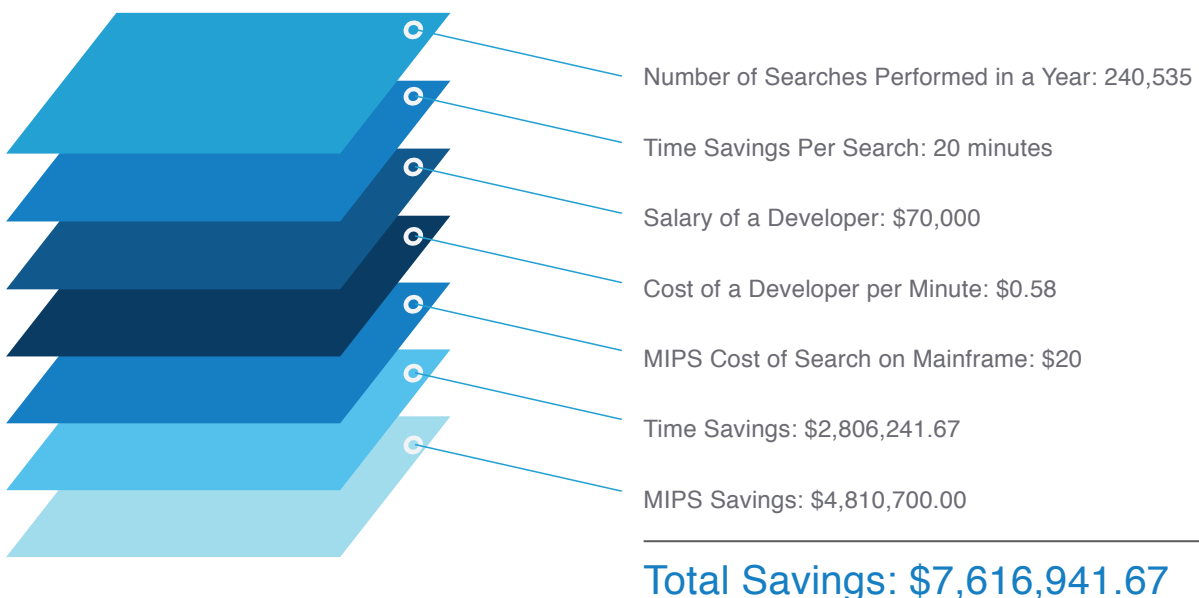Airlines

SMART TS XL™ has Global Reach
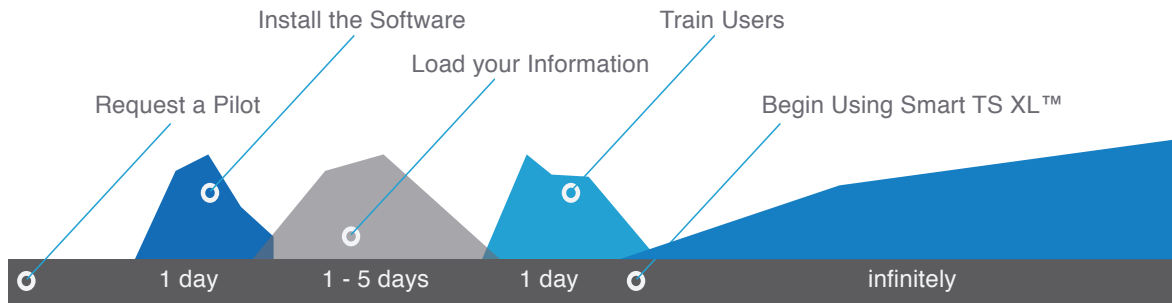
Implementation & Savings

Labor is the largest cost in organizations today. Large IT projects create a demand for time that can end up with companies footing a large overtime bill. In order to reach a goal, companies can either work longer hours or they can work smarter. Our software intelligence™ suite of tools allows your employees to complete more work without additional hiring. Such substantial time savings is a result of the instant search and analysis ability of the SMART TS XL™ software. Searches that previously would have taken 30-90 minutes now happen in a few seconds.

SMART TS XL™ is architected to run on cost-effective server platforms instead of using mainframe MIPS. For example, information gathered from mainframe libraries is stored in a database and is accessible through a web browser GUI. Access to the information can be integrated with existing standard security systems.

One Example of Reported Client Savings with SMART TS XL™

Number of Searches Performed in a Year: 240,535

Time Savings Per Search: 20 minutes

Salary of a Developer: $70,000

Cost of a Developer per Minute: $0.58

MIPS Cost of Search on Mainframe: $20

Time Savings: $2,806,241.67

MIPS Savings: $4,810,700.00

Total Savings: $7,616,941.67

Implementation Made Easy

Request a Pilot

Install the Software

Load your Information

Train Users

Begin Using Smart TS XL™

| 1 day | 1 - 5 days | 1 day | infinitely |

Index Everything in Hours
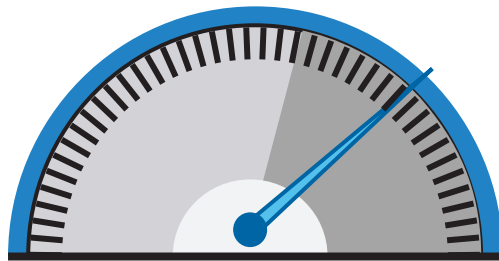
20,000,000

Indexes code at
20 million lines / hour

Access Information Anywhere

servers

PCs

mobile
devices

tablets
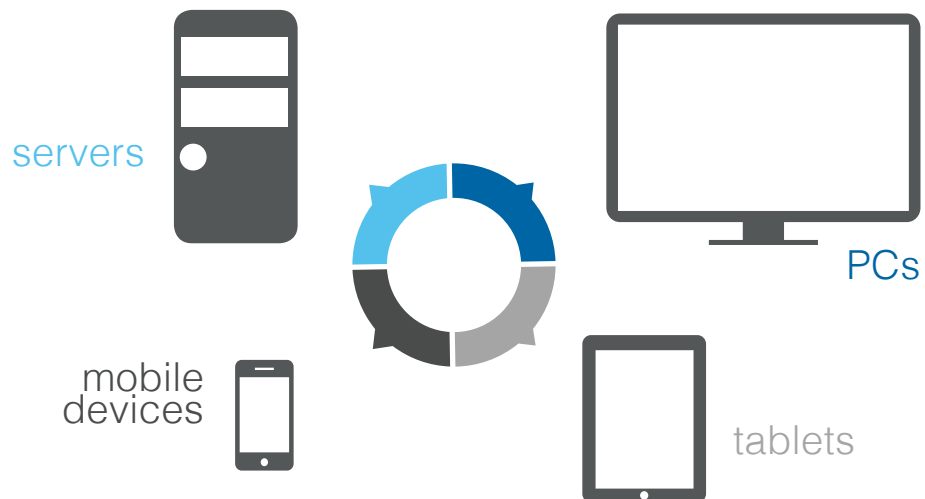
Recommendations

Benefits for BNSF Railway

BNSF wanted a single Application Mining tool to use for search, review and analysis of all their source code (both mainframe and distributed systems). Since installing the SMART TS XL™ software, BNSF has loaded their entire Mainframe source code base as well as their entire distributed source code base including JAVA, distributed system documentations and others from their MKS system, using SMART TS XL's Source Prep Utility.

BNSF users now have a single point of access to every line of code and related documentation throughout their enterprise. They are able to perform the search and analysis they need and put their SMART TS XL™ libraries to use daily.

Savings for CitiGroup

CitiCards blazed a trail as one of the first to load tens of thousands of data records (VSAM) into their SMART TS XL™ server. They also loaded all of the form letters mailed out to prospective credit card customers and opened access to various departments within CitiCards. As a result, both technical and non-technical staff members were given access to critical information needed to make informative decisions.

Their foresight eliminated stressful dependency on IT staff, which previously had to write ad-hoc queries for users to search through letters and provide users with information they sought. Although the initial training included only 40 people, the number of Citi users is constantly growing. Today they have more than 1200 users worldwide.

How will you benefit from SMART TS XL™?

over **95**% of users
would recommend
SMART TS XL

$7 million

We have reached savings of
$7 million in MIPS,
and we expect that number
at the end of the year to touch
$10 million in savings.

–Emanuele   **citi**bank

100% ROI

Just in the free trial period,
JP Morgan WSS executed
over 17,000 searches, thus
paying for SMART TS XL™
many times over.

–Jim   **J.P.Morgan**

1400 hours

Each search provided an
increase in productivity by 10
minutes over the older antiquated
methods, it's provided us with
nearly 1400 hours of improved
productivity per month.

–Allen   **YRC Worldwide**

"0" bugs

Since we have installed
SMART TS XL™ in the Pier1
IT division, the number of
errors during our production
implementations has dropped
to almost zero.

–Andy   **Pier1imports**

from 60 to 6

A task that previously
would have taken between
60-120 hours, with the
use of SMART TS XL™ now
takes 6 hours.

–Dan   **SOUTHWEST**

"it works!"

We reviewed several
different products and
SMART TS XL™ is simply the
only Enterprise Search tool,
that works.

–Mark   **THOMSON REUTERS**

SMART TS XL™ is an enterprise search, analysis and mapping suite of tools, saving our clients time and money as it increases their overall productivity. Our patented technology boasts a three digit ROI.

IN-COM Data Systems (established in 1997) is a technology leader in powerful enterprise-wide search, impact, and complexity analysis software. Whether your information resides on a mainframe, is distributed across multiple systems, or is stored in some combination of the two, the SMART TS XL™ software suite becomes a nexus for that information and makes it instantly searchable. With our patented Software Intelligence® suite, any user can accurately perform highly complex tasks across all platforms and programming languages – in seconds.

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D A T A   S Y S T E M S