



## CC Group at a Glance

### 1. The Company

The CC Group is an internationally operating software engineering company with over 200 employees throughout the world. Since beginning our business in 1988, we have grown our operations to include offices in the USA, Germany, and India.

We support our customers in planning and realizing large strategic IT projects and offer software systems to support and enhance software development and maintenance processes. CC develops and offers products and services ranging from integrated software systems, quality improvement in software development and maintenance, to strategic consulting and customized training programs.

We specialize in protecting our customers' long-term investments in their information technology infrastructure, particularly in large, individually developed software systems. We focus on developing customized, state-of-the-art software solutions which enable the evolution of existing software systems to perfectly meet individual customer needs. Our extensive experience in this area allows us to provide software engineering services of the highest quality with absolute time and cost efficiency.

With our excellent track record and team of IT experts, we have the ability to plan for, and immediately respond to, the rapidly changing demands in information technology. Our customers benefit from our commitment to staying on the leading edge of research and development in this dynamic world.

We also enable our customers to achieve highest standards in their daily software development and maintenance work: with our software tool families we offer all the products needed for high quality, efficient software engineering – from the automation of the processes through to static and dynamic quality analysis. Whether it's for mainframe backend or web frontend, we have the right tool for the job.

### 2. Our Mission: Software Evolution En@bling

Our core skills enable the evolution of our clients' software systems, making it possible for our customers to mold their application systems, in the most minute detail, to their exact individual technological and business requirements. Not only to those they have today, but also to those they will have tomorrow.

The unique benefits of software evolution enabling – not totally replacing existing systems, but rather modernizing, optimizing and expanding them – allow us to provide our customers with the "best of both worlds" by making the most of what exists within their IT environment. The advantages of exploiting existing potential as opposed to



starting from scratch range from substantial cost savings, to the highly efficient use of in-house resources.

### **3. CC's Key Strengths**

#### **3.1. Strong Base of Satisfied Customers**

Our customers are large companies and institutions from a wide variety of business sectors including banking, insurance, manufacturing, retail, service and public administration. We address our customers' individual information technology needs and build relationships with each and every customer to best understand and respond to their needs. We make it our job to provide our customers with exactly the IT software infrastructure they need, to have it working with them instead of against them.

Our customer-centric approach and commitment to our customers' satisfaction have resulted in numerous long-term relationships, the most important statement that can be made about our products and services.

#### **3.2. Exceptional IT Know-how**

CC has a solid technology base that provides excellent growth potential for new and enhanced products and services. Many of our products are a result of our experience and involvement in large projects and are developed through our highly sophisticated know-how and technology pool.

Through our experience in successfully handling projects in IBM mainframe, client/server and web-technology areas, we have built considerable cross-platform skills including tools for quality assurance, configuration management, test support and know-how for integrating diverse cross-platform components into one architecture.

#### **3.3. Highly Dedicated and Experienced Staff**

CC attaches great importance to our team's credentials, qualifications and methods. Our ability to successfully handle large, complex projects is based on our solution-driven procedures and methodological approach, corresponding to the latest engineering standards. This combined with our motivation and dedication to the success of every project ensures our complete commitment to making a substantial contribution to our customers' success. A close partnership with our customers' team fosters a thorough understanding of the requirements of each project and is a major factor in our history of on-schedule project completion.

Our team's commitment to quality and innovation underlines our dedication to our customer-oriented approach. By setting the highest standards for ourselves, we guarantee our customers will reap the benefits, not only today but also in the long-term.



### 3.4. International Network

Our commitment to global growth and progress in IT was the springboard for establishing an international presence. Currently we have offices in the USA (Boston), Germany (Wiesbaden), and India (Thiruvananthapuram). Our international presence brings tremendous benefits with it, allowing us to take advantage of having international experts on board who facilitate immediate and qualified information and knowledge exchange. We have all the advantages of a network of professionals in the highly specialized area of individual software engineering solutions, while still being able to offer individualized, targeted, customer-oriented services and products.

### 3.5. ISO 9001

Our ISO 9001 certification simply puts the way we've been working from day 1 into a nice, universally-understood package of guidelines and principles. From the word "go", we've made it a fundamental aspect of our work to always reach for and deliver the best quality possible. Through a combination of discipline, methodology-driven approach, unwavering customer-orientation, expertise and commitment to the success of projects and thereby our customers, we've been ahead of the game, living quality management since 1988.

All projects at CC follow standard, documented project procedures in all phases of the project life-cycle. Procedures relate to project start-up, team-building, project management, communication, quality assurance, configuration management, risk management, etc.

To ensure highest project quality we guarantee:

- ❑ Adherence to documented project procedures
- ❑ Peer review at different stages within the project (document reviews, code inspections, test reviews, etc.)
- ❑ Review by an external quality assurance team
- ❑ Regular management review by senior consultants at CC

## 4. Our Products

CC currently markets a comprehensive set of tools as standard solutions that have already successfully demonstrated their value in hundreds of installations worldwide. The products, the most advanced grouping of like products in the industry, are described in detail in separate documents. The tools are specifically designed to meet the particular needs of programmers and software quality assurance managers responsible for software testing and maintenance.

We develop and market software to enhance and maintain ABAP, Assembler, C, C++, COBOL, Java, JSP, and PL/I software applications. Our products identify potential



improvements from the program to the portfolio level and enable smoother conversions with fewer errors. They also provide functionality such as automatic standards compliance, formatting and code conversion and testing support.

All tools are available for the common platforms, e. g. Unix, Windows, z/OS, etc.

Our products include:

- ❑ CC ANALYZER  
Test coverage monitor
- ❑ CC AUDITOR  
Quality assurance tool for static analysis
- ❑ CC ARTISAN  
Rule-based transformation system for reformatting of COBOL programs
- ❑ CC ASSESS  
Portfolio Management Tool for the analysis of extensive software packages
- ❑ CC OPAIRA  
A cross-platform tool for the automation of software processes
- ❑ CC OPAIRA-CCM  
Configuration Management Tool
- ❑ CC OPAIRA-TSM  
Test Modeling, Automation, Management and Documentation

## 5. Our Professional Services

CC's services range from consulting for software management and system engineering, including strategic and conceptual planning and realization, to the development of individual information systems and the design and delivery of turnkey solutions. Comprehensive training, maintenance and support packages are further benefits of working with CC.

### 5.1. Projects

Selected projects:

- ❑ Conversion of 4,000 + programs from CA-IDMS-DB/CA-ADS to DB2/CICS<sup>1</sup> for a large retail chain in Germany
- ❑ Conversion of 500+ programs from Assembler to COBOL for a large bank in Germany
- ❑ EURO and Y2K adaptations for banks and insurance companies on the COBOL, Assembler, PL/I, DB2, IMS-DB, CICS, IMS-DC, TELON platforms

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<sup>1</sup> CA-IDMS and CA-ADS are registered trademarks of Computer Associates, Inc.



- ❑ Development of a cost control system on the COBOL/DB2/CICS platforms for a large insurance and finance company in Germany
- ❑ Major redesign and re-implementation of a data replication system to replicate data between the MVS (DB2 database) and Unix (Informix database) hosts using the master-slave principle for a large bank in Germany
- ❑ Development of a sales information system for a large insurance company based on client/server technology using Visual Basic and Informix
- ❑ Remote Maintenance of payroll systems, sales information systems and stocks and shares trading systems for various customers
- ❑ Development of various internal tools to automate functions such as integrated project procedures, repository scanners, payroll systems, inventory control systems, etc. on client/server platforms using Visual Basic and DB2

## 5.2. Remote Maintenance with ReMain

For client-specific maintenance of software systems, CC has developed a solution called ReMain. Unlike traditional outsourcing, maintenance tasks are performed in the CC "Reengineering-Factory" in India via direct connection to our other centers over the international satellite network. With this approach, the cost for maintenance of existing individual systems and/or standard software systems is minimized and at the same time the migration into new system environments facilitated, as our customers' staff can spend their time concentrating on new tasks.

## 6. Training

CC offers individual, custom-made training programs for the implementation of quality management systems, programming standards and practices as well as for maintenance management and system modifications.

Our training programs are designed on an individual basis to guarantee that each customer's specific needs will be met.



## 7. Contact

### CC in ...

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