



# *Verifysoft Technology*

## *Software Testing Solutions for your Quality and Productivity*





TPO

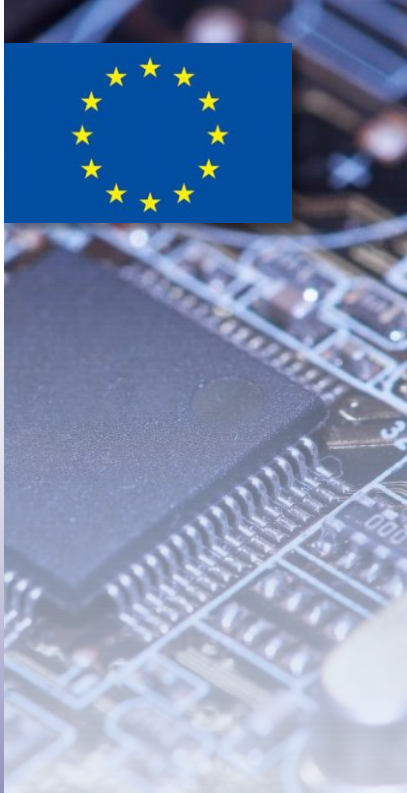
# Verifysoft TECHNOLOGY

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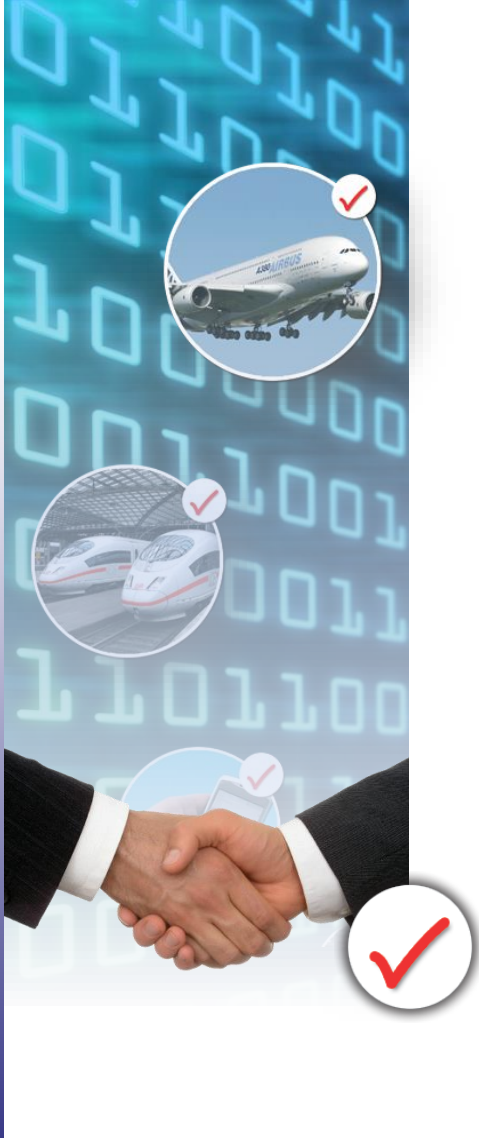
- ✓ Founded 2003
- ✓ Headquarter *TechnologiePark Offenburg* (Germany)  
Office in France, worldwide Distributors
- ✓ 600+ customers in 37 countries on all continents (2018)
- ✓ Owner of Testwell Tools (CTC++, CMT++/Java, CTA++, ...) Development and Support
- ✓ Distribution and support of complementary software testing and analysis tools in Europe



- ✓ Seminars



## Partners



*Testwell*

Tampere (Finland)



Ithaca/New York (USA)



San Luis Obispo/CA (USA)

**CONFORMIQ**

Saratoga/CA (USA)

*elVior*

Tallinn (Estonia)



## Activity Fields



Most of our customers are in following sectors:

- ✓ Aerospace
- ✓ Automotive
- ✓ Medical
- ✓ Automation
- ✓ Transport
- ✓ Energy

... and other fields for **critical software**.





# Customers

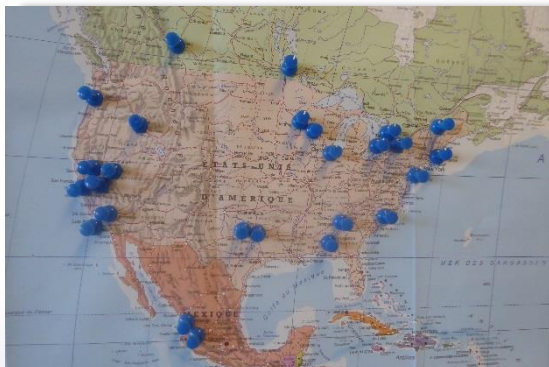




# Customers

600+  
satisfied customers

in 37 countries  
on all continents

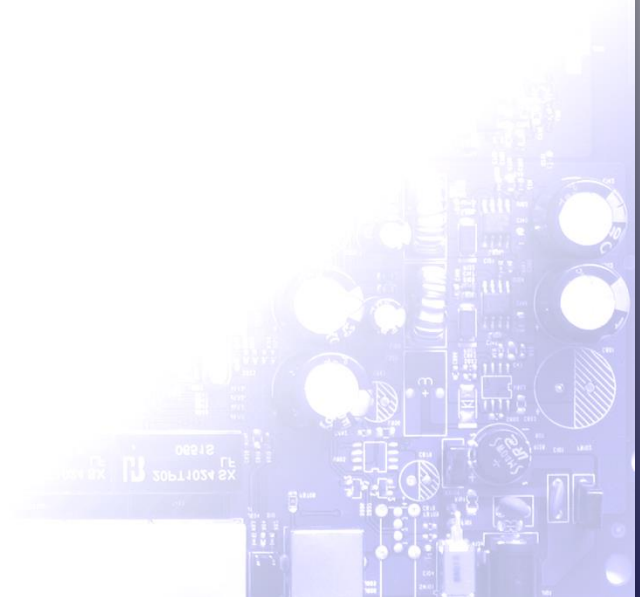




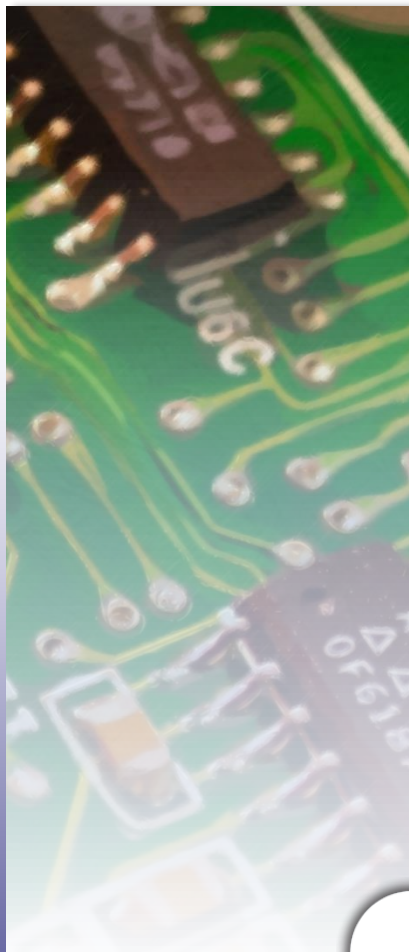
Software bugs in Europe cost:

**100 to 150.000.000.000 Euros a year**

- ✓ Tendency still increasing
- ✓ Complexity of software doubles every 18 months  
*(Les Hatton, Kingston University London)*







Software bugs cost up to:

**14.000.000 Euros** per company and per year

- ✓ **50%** of the companies in the first year of utilization found up to **10 critical errors**.
- ✓ **40-60%** of the global budget is usually used for **testing and correction**

IDC-Survey in 2008 'Improving Software Quality to Drive Business Agility', within American companies with 250-10.000 employees [www.idc.com](http://www.idc.com)



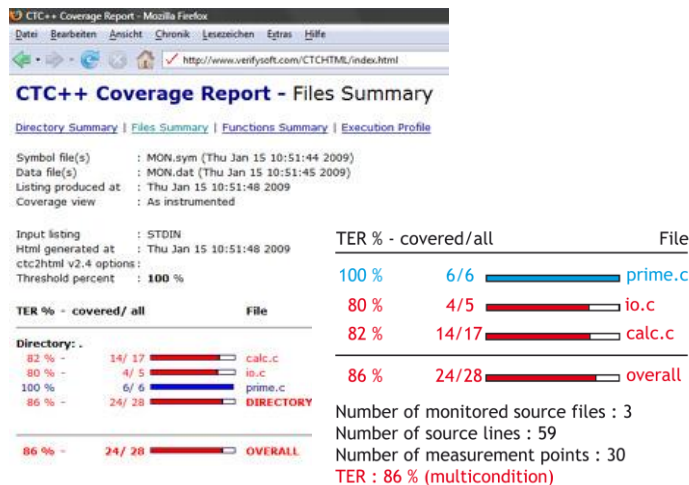
**Testing** (Code Coverage and Static Analysis)  
is **mandatory for safety critical software:**

- ✓ DO-178C (avionics)
- ✓ IEC/EN 61508 (general)
- ✓ ISO 26262 (automotive)
- ✓ IEC/EN 50128 (railway)
- ✓ IEC 60880 (nuclear power)
- ✓ IEC 62304 (medical devices)

***Our tools support you to achieve highest code quality.***



# Testwell CTC++ Test Coverage Analyser for C and C++ CTC++ add-on for Java and Android CTC++ add-on for C#



All coverage levels

- Statement coverage
- Function coverage
- Decision/branch coverage
- Condition coverage
- Modified condition/decision cov.
- MC/DC coverage
- Multicondition coverage (MCC)

All compilers

All embedded targets!

Works with all unit test tools

## Compliance with Standards

DO-178C - IEC 61508 - IEC 62304 - ISO 26262

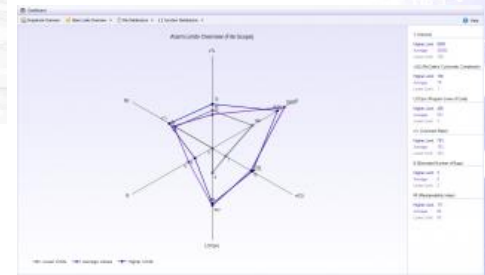
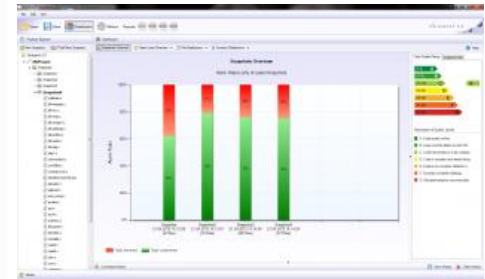
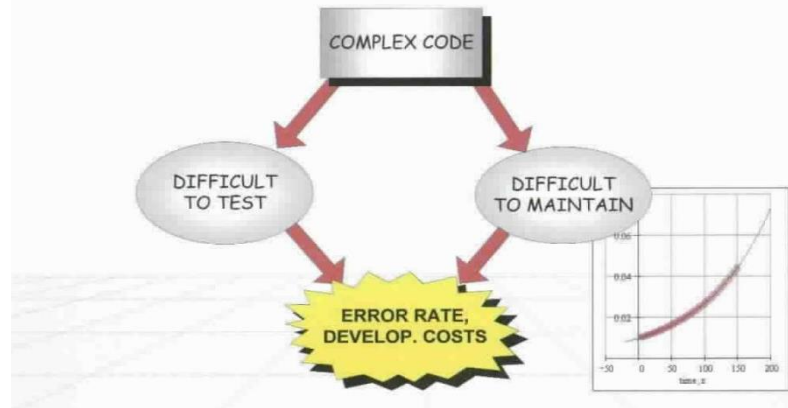




# Testwell CMT++ / CMTJava Code Complexity Measurement Tools

for C, C++ (C#) and Java

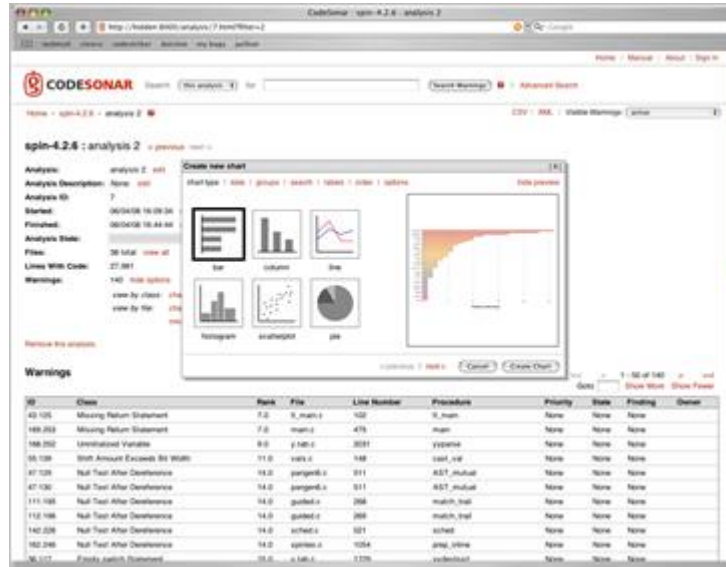
Wish to locate complex code



- Lines of Code Metrics
- Halstead Metrics
- McCabe Cyclomatic Number
- Maintainability Index



# CodeSonar Static Code Analysis



Finds twice as many **critical** defects compared to other static analysis tools.

Improves security

Designed for high assurance

Employs sophisticated algorithms

Supports custom checks

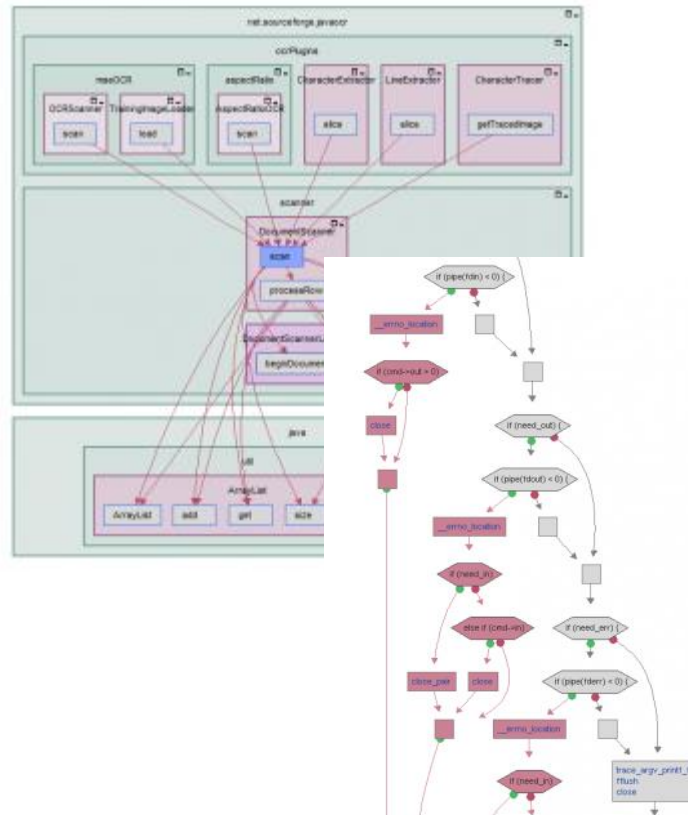
Provides architecture visualisation



How Many Defects  
Are In Your Code ?  
**FREE TRIAL**



# Imagix 4D



Reverse Engineering

Source Code Checks

Static Analysis & Metrics

Delta Analysis

Automated Documentation

Visualization of Code Coverage  
measures by Testwell CTC++



## Premium Seminars with Dipl.-Ing. Martin Heininger

Apply Now!

Testen von Embedded Software

Requirements Engineering



ISO 26262 – Anwendung der Norm im Projektalltag

Software-Entwicklung nach IEC 61508



Thank You



Thank you for your time!

Your Verifysoft Team