

EXCENTIS

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TESTING

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CONSULTING

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TRAINING

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PRODUCTS

excellence
in telecom
and ICT
services

From EuroDOCSIS definition ...

The roots of Excentis go back to the late nineties, when interest in broadband services in Europe was on a steep rise. To ensure correct and optimal performance of modems and Cable Modem Termination Systems (CMTS) and guarantee their interoperability, European cable operators decided to define the European specifications for data-over-cable systems. They took the existing American Data-Over-Cable Service Interface Specifications (DOCSIS) as a starting point and put their heads together with equipment vendors and experts from Ghent University (Belgium), under guidance of Prof. Luc Martens, who's still in charge at Excentis today.

... to center of excellence

Once the European cable community had agreed with the final specifications in early 2000, Excentis was entrusted with EuroDOCSIS certification testing. The ball got rolling... Since then, the company has been continually extending its range of services to cable and telecoms operators, service providers and private companies in order to cater to rapidly changing market trends and developments. To become what it is today: a center of excellence in telecom and ICT services.

Excentis = an exceptional pool of expertise

The experience and expertise that the Excentis team of engineers has amassed – and is deepening every day – is the very heart and soul of Excentis' existence. Drawing on this know-how, we provide testing, consulting and training services that perfectly address the needs of cable and telecoms operators, device manufacturers, etc.

OUR AREAS OF KNOW-HOW INCLUDE:

- access network technologies: cable/HFC, xDSL, WiMAX
 - + services based on access networks:
IP, VoIP, Interactive Digital TV, etc.
- backbone networks
- service architectures
- quadruple play services
- broadcasting
- back-office systems
- network security



The unique Excentis partnership

What is it that sets Excentis apart from its competitors?

AT THE FOREFRONT OF TECHNOLOGY

Our engineers continually keep abreast of the latest trends in telecommunications and ICT and in network and service testing. And they keep their fingers on the pulse of customer needs and requirements. New technologies and trends in customer demands are swiftly incorporated into our testing procedures, our consultancy and training efforts and products. And, not to forget, in our state-of-the-art testing labs.

VENDOR-NEUTRALITY

In the niche market where we operate, our persistent vendor-neutrality is one of our major assets. Our corporate values of independence and integrity are, for cable, telecoms and wireless operators and for service providers, a cast-iron guarantee of unbiased, technical support. They find in Excentis a truly unique competence center in the European market.

EXCENTIS = EXCELLENCE

The word is in our name: EXCentis is in continual pursuit of EXCellece. In the testing services we offer. In the consulting and training we provide. In the products we develop. More than experts in our field, we also understand the importance of an excellent customer relationship. Customers can count on our unremitting support, flexible and pragmatic approach and dependable services.

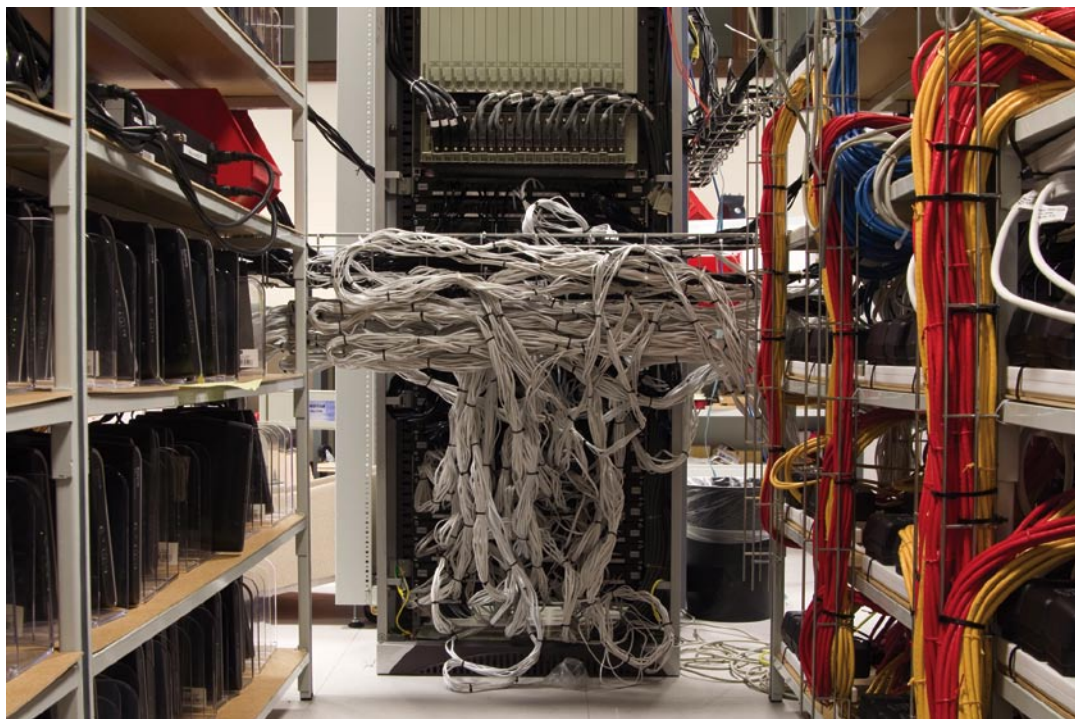
Our mission

Excentis is committed to becoming the number one provider of highly specialized testing, consultancy and training services and testing products for access network technologies and related services. To achieve that aim, we strive to attain excellence in all we do.

EXCENTIS TESTING

testing excellence in the most specialized areas

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TESTING



Excentis knows all about proof-testing. Ever since our inception, we've been testing networks and network equipment for customers worldwide, for all kinds of applications. Thanks to our deep expertise and our state-of-the-art test equipment and labs, we can exhaustively test individual devices as well as more sophisticated end-to-end systems and allied services. *Our testing offering embraces every step of both certification testing and private testing programs, to suit your particular needs and requirements.* Testing can be done in our laboratories or on site.

FROM ANALYSIS THRU' TO REPORTING

Excentis is a trusted partner in every phase of your testing needs: from requirements analysis, test plan development, test set-up design and building thru' to test execution and reporting.

CERTIFICATION TESTING

Excentis executes certification testing programs and assists vendors in resolving their equipment-related issues. Acting as an independent and neutral certification testing lab on behalf of the European cable operators (EuroCableLabs), we check for compliance with EuroDOCSIS 1.0, 1.1, 2.0 and 3.0, EuroPacketCable and EuroPacketCable Multimedia standards.

PRIVATE TEST PROGRAMS

Our vendor-neutrality is a deliberate strategy that gives us the capacity to offer private test programs, set up to verify specific needs or functionality. Our support includes quality, performance, stability and stress testing. The starting-point, in every program, is the customer's needs and wants: the customer specifies the criteria and we execute the testing.

EXCENTIS CONSULTING

hands-on experience and expertise
at your disposal

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CONSULTING



Excentis also puts the hands-on experience and expertise of its engineers at the disposal of its customers through bespoke consulting services that help them, besides testing, in many other stages of their telecoms or ICT project. Our multi-vendor expertise and experience are invaluable in helping you design the optimal architecture and select the right equipment, in detecting and solving present design, performance and interoperability issues, in due diligence procedures and security audits, etc.

Whatever your needs or problems are, chances are that we've already faced the challenge before ... *And even if your systems and services seem to run smoothly, we can optimize them to squeeze the last bit of performance out of your investments.*

OUR CONSULTING EXPERTISE

problem analysis / architecture design / technology selection / service deployment / due diligence / software consultancy / security audits

TARGET GROUPS

operators and service providers / medium-size to large companies, both private and public / equipment manufacturers

EXAMPLES OF OUR CONSULTING OFFERING

performance audit of network systems / security audit of network systems / audit network architectures / troubleshooting and problem solving (e.g. track interoperability problems) / network qualification / RF testing / network performance monitoring and altering / product performance or stress testing / network engineering and design / assist in implementation and roll-out of triple play services / design of lab testing / assist in lab testing: on-site or at Excentis / custom software development

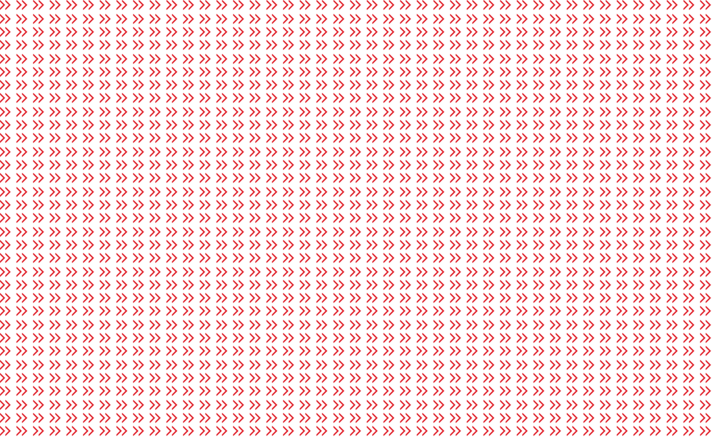
EXCENTIS TRAINING

fast forward knowledge

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TRAINING



Under the motto 'fast forward knowledge', Excentis shares its telecoms and ICT knowledge and experience with service providers or product manufacturers. Our experts bundle their hands-on knowledge into introductory and advanced training programs, which allow participants to immediately upgrade their know-how. *Comments by course attendees laud, in addition to our profound technological competence, our tutoring skills, personal touch and aftercare.*



OUR STANDARD TRAINING PORTFOLIO INCLUDES TOPICS SUCH AS

(Euro)DOCSIS / (Euro)PacketCable (Multimedia) / VoIP / SIP / Digital TV / HFC / SNMP / WiMAX / security / etc.



STANDARD OR CUSTOMIZED COURSES

Excentis can also customize its training to reflect your particular needs: covering topics that are of interest to you, using the specific format, language (English, French, Dutch, German) and location you choose.



YOUR PLACE OR OURS?

Training courses can be taken either at the Excentis' offices or at your premises.



TARGET GROUPS

Network architects or engineers of operators and service providers / Product developers and sales engineers of product manufacturers, of chip manufacturers, of test instrumentation manufacturers / Executives



BYTEBLOWER® BY EXCENTIS

born out of proven expertise

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PRODUCTS



After years of in-house testing, Excentis perfectly knows the strengths and weaknesses of the testing solutions available on today's market. And we are aware of the needs and requirements that service providers, cable and telecoms operators and equipment testing labs put on the traffic generators/analyzers they're using. *Based on that know-how, we've developed a best-of-breed testing system: ByteBlower.*

ByteBlower is a TCP/IP traffic generator/analyzer tool that uses off-the-shelf hardware to perform exhaustive tests on IP networks and networking equipment, either in a lab environment or in real-life networks.

HIGHLIGHTS

unlimited flexibility / scalable to the max / cost-efficient / distributable: it can be used to proof-test geographically spread systems / intuitive, platform-independent GUI

USE CASES

Creating complex traffic patterns with multiple protocol mixtures for both IPv4 and IPv6 / Testing multicast on the network using different protocol versions at the same time / Measure IPTV channel 'zap' times / Troubleshoot critical performance issues on network segments and devices / Large-scale testing / Testing triple play services.

BYTEBLOWER: TRY IT OUT!

A trial says so much more than words ... So download our GUI from the support section of our website (www.byteblower.com) and experience the look, feel and ease-of-use for yourself!

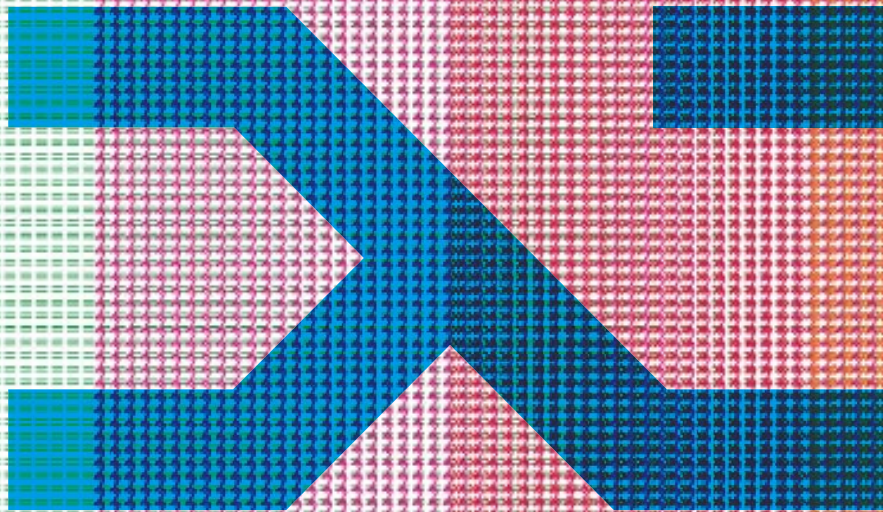
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About Excentis

Providing excellence in telecom and ICT services: that is the core of Excentis' business. Headquartered in Ghent, Belgium, Excentis is a leading and solid provider of highly specialized testing, consultancy and training services for access network technologies (cable, xDSL, wireless, etc) and related services (e.g. VoIP and iDTV).

As a trusted partner, Excentis works closely with operators and service providers worldwide to exhaustively test their equipment, from individual devices to the most complex end-to-end systems and services. Excentis acts as the independent, neutral and only certification testing lab on behalf of European cable operators.

Born out of this hands-on testing expertise, the company also provides consultancy services – technology selection, design and architecture evaluation, security audits, due diligence support, etc. –, offers standard and customized training services and has developed a unique testing product: the ByteBlower® traffic generator/analyzer.

Vast experience and thorough expertise of the most diverse technologies and services, combined with state-of-the-art test labs make Excentis a unique center of excellence. The corporate values of integrity, pragmatism and vendor neutrality further add to the high standards of all Excentis solutions and services. This results in a rapidly growing client base of leading network providers, operators and equipment testing labs worldwide.