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# ANALYTEK

*Increasing Efficiency in Mobile Telecommunications Test and Measurement*

## Services

### What Analytek can offer

Analytek bring experience, flexibility and commitment to any project we undertake. Some of the services we can offer include:

#### Compliance failure analysis

Many compliance testing issues are not adequately investigated at the point of failure. This leaves customers chasing problems which often they cannot reproduce themselves. A log from a test facility is simply not enough material from which to deduce the reason for the problem and to implement a solution. Analytek benefit from many years of development of the software used in compliance testing. When type approval of a device is delayed due to the last few outstanding problems, Analytek have a methodology in analysis which can lead the customer directly to the solution rather than to continued delays impacting time to market.

#### Bespoke software development

Most providers of test solutions for mobile telecommunications are large organisations specialising in the most profitable areas for them. This means compliance test cases, production and service testing. Our clients indicate that this only covers around 20% of their testing requirements. Analytek concentrate on the remaining 80% of the testing. This requires a closer relationship to the customer, where Analytek can learn about the customer's testing experiences and provide bespoke solutions targeted directly at the issues most greatly affecting the customer's efficiency.

#### General mobile telecommunications consultancy

You might be trying to understand the potential of a mobile technology, build a test system or utilise mobile telecommunications to enhance your products. With an in depth knowledge of mobile telecommunications technologies their capabilities and application, Analytek consultants will bring valuable real-world experience to your projects.

#### Training

Analytek personnel have extensive knowledge of test and measurement within mobile telecommunications, especially related to the use of Rohde & Schwarz test instruments. We can provide training ranging from a very basic introduction to the test instruments to bespoke development training for your experts, providing you with the ability to get the most from your investment in test instrumentation.

## How we work

### Our practices

At Analytek, we believe that the customer is the most important person in our world. We see every project that we undertake as an opportunity to market ourselves - simply by doing the very best job that we can. This ethic forms the core of the way in which we work.

Being a small organisation, Analytek can offer great flexibility in undertaking smaller projects and working with specific customer requirements. Analytek is also able to move quicker than the major players in the test and measurement arena to meet new requirements.

Analytek can be flexible in undertaking work to suit their customer needs. Work can be carried out off-site at Analytek's premises or on-site in collaboration with the customer's own experts. Analytek can provide a full testing service including expert analysis and reporting of results.

Throughout the project Analytek's aim is to exceed customer expectations. All projects will be continuously reviewed to ensure that this is the case and to continuously steer the project to fulfil the project goals.

## Who we work with

### Our customers

Analytek's customers typically have an investment in expensive test equipment and know that this equipment is useful for far more than just compliance testing. They appreciate that with the right expertise, these are powerful tools.

**Mobile Manufacturers and Network Operators**

With the assistance from Analytek, these organisations have been able to take advantage of their investment in test instrumentation in order to significantly reduce any delays in their product development lifecycle.

**Rohde & Schwarz and approved partners**

Our customers tell us that they are maximising the benefits from their test equipment and are much better able to identify and solve the type of issues that would have previously delayed product development.

**Chipset Manufacturers and Stack Developers**

**Application Developers**

While our customers come from diverse backgrounds, what each and every one has in common is their need to test mobile devices (or their components) in ways not adequately covered by standard software.

## About Analytek

### Who we are

Founded in 1996, Analytek draws together over 30 years experience in engineering for mobile telecommunications.

Our experience includes:

- Development of embedded systems implementing signalling stacks;
- Engineering of systems implementing regulatory testing of mobile devices;
- Development of application software to ease the process of non-compliance testing;
- Consultancy and analysis aimed at solving customer problems and compliance issues;
- Field support of mobile communication test and measurement equipment;
- Development of bespoke test software to fit individual customer requirements;
- Training in GSM, specifically on Rohde & Schwarz test instruments.

### Michael Thijm

Company Founder and Senior Consultant. Michael has over 15 years experience in the mobile telecoms industry and has been a part of the digital mobile revolution since its infancy. Michael's in depth knowledge is highly sought after and his tenacity at problem solving is legendary.

### Kevin Wood

Senior Consultant. Kevin brings 11 years experience of the mobile telecoms industry and has expertise in both the radio and protocol aspects. He is a very quick learner and a renowned troubleshooter.

### David Thijm

Test Manager. David has a wealth of experience in both training and testing in technical environments. He brings a critical eye for detail to Analytek.