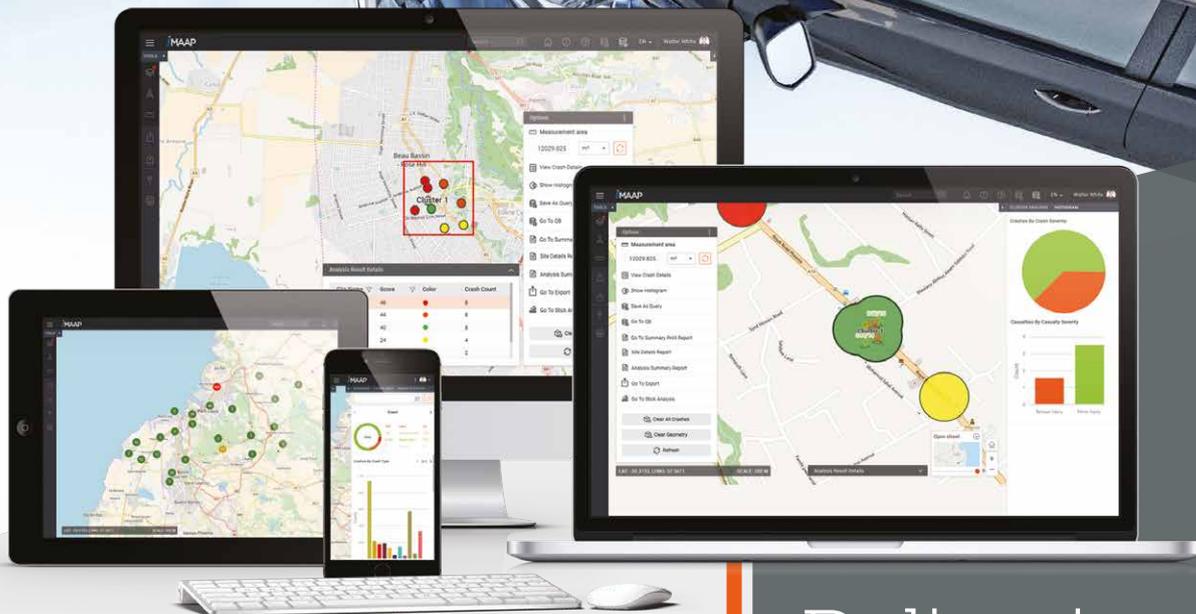


# Crash Data Analysis & Road Safety Management Solution



Delivering  
Transport  
Science  
Through  
Software

**i**MAAP

# 1.35 Million Road Fatalities each year

The World Health Organisation Global Road Safety 2018 report shows that the problem of the number of deaths on our roads is getting worse and have increased to 1.35 million a year around the globe. That's nearly 3,700 people dying on the world's roads every day.

In the Sustainable Development Goals, world leaders had committed to halve the number of deaths from road crashes by 2020. The 2018 WHO report shows that three years on, far too little progress has been made towards this goal. There is an urgent need to scale up evidence-based interventions and investment in targeted, effective education, plus enforcement and engineering solutions.



In response to this challenge, TRL has launched iMAAP, its latest Software as a Service crash data analysis and road safety management solution.

Developed for road safety professionals, iMAAP has been designed to support cross sector collaboration, and incorporates the latest technology to enable crash data collection, validation and GIS analysis, providing evidence to support targeted deployment of effective road safety solutions. The system is supported by TRL's road safety experts, and thus enables users to benefit from the latest road safety research and thinking.



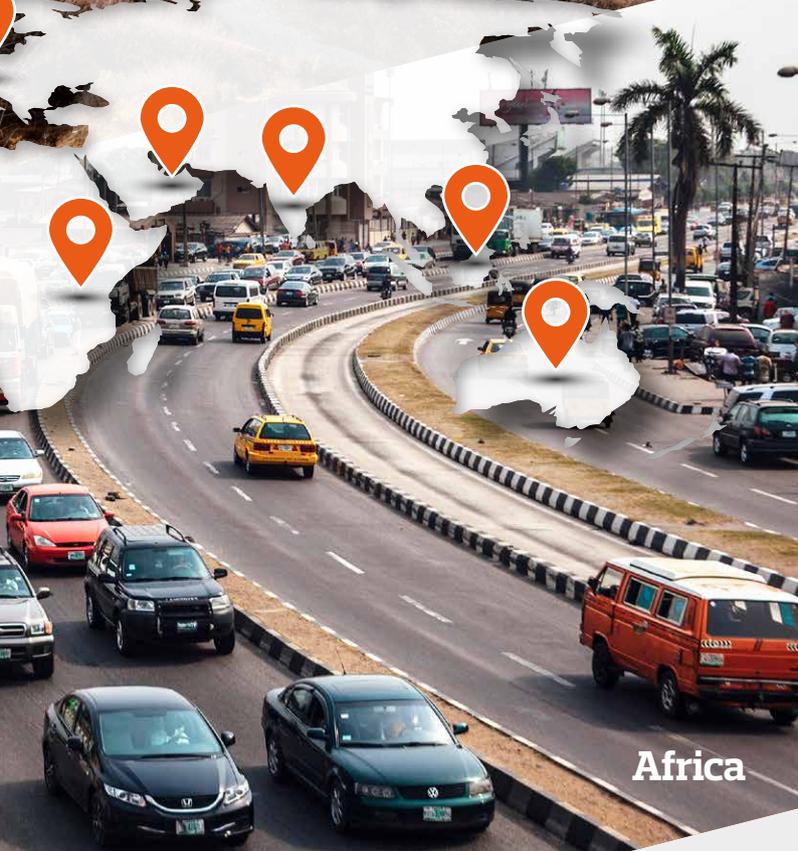
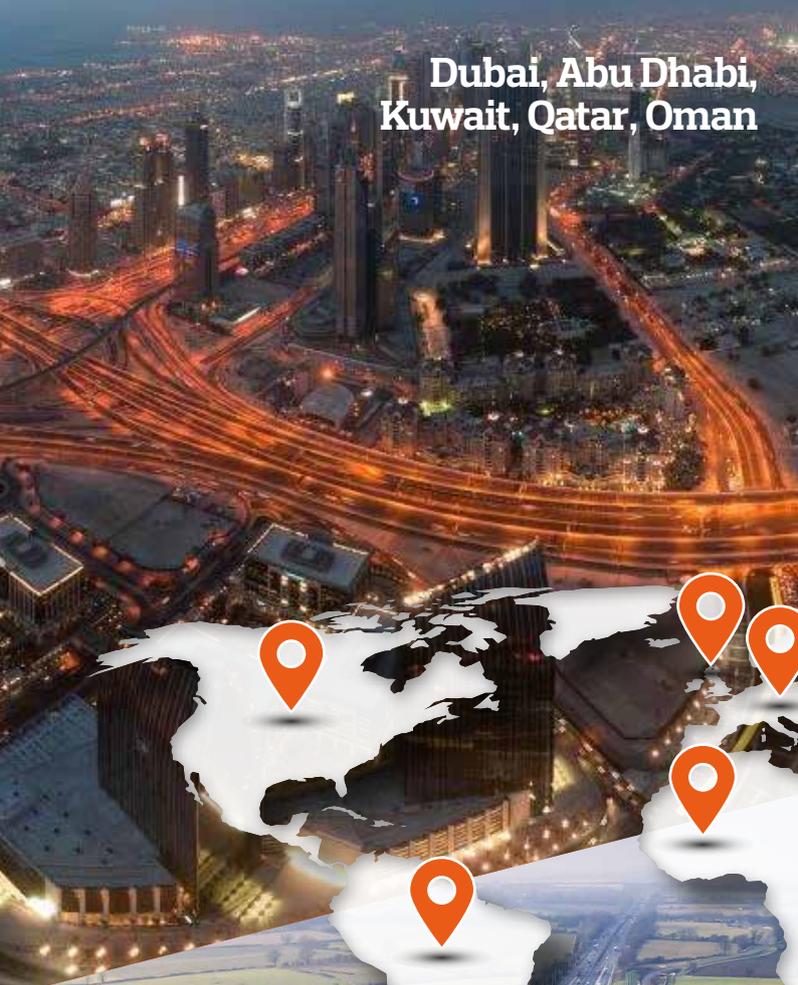
Project management was top notch ; it exceeded our expectations. The usability of the product is top class!

**Osama Ali Al Kurdi,**  
DoT, Abu Dhabi



Dubai, Abu Dhabi,  
Kuwait, Qatar, Oman

India



UK

Africa

iMAAP is a  
global software solution  
that uses data to reduce  
road crashes for our clients

# TRL Software

TRL is a global centre for innovation in transport and mobility. It provides world-leading research, technology and software for the surface transport market, supporting intelligent, new mobility innovations.

TRL was established in 1933 within the British Government as the UK's Transport Research Laboratory and was subsequently privatised in 1996.

TRL is now a wholly owned subsidiary of the Transport Research Foundation (TRF), a non-profit distributing company, which has been established to provide impartial transport research, consultancy, and expert advice.



TRL was  
established in 1933

# World Class Traffic & Transportation Solutions

Today, TRL supports more than 1,000 clients across 145 countries, driving positive societal and economic benefits.

Our core areas of expertise include: road safety, vehicle safety, crash investigation, human factors & behavioural research, asset management & technologies; intelligent transport systems & traffic operations; sustainability & healthy mobility; major incident investigations.

Our innovative and evidence lead software solutions, support the design, management and implementation of safety and reliable transport networks, with products such as:

## iROADS

for road asset management

## ARCADY

for assessment of roundabouts

## PICADY

for junction design

## OSCADY

for evaluation and optimisation of isolated junctions

## TRANSYT

optimises coordinated signal timings

## UTC SCOOT

to coordinate signalled junctions in a network

## MOVA

to regulate traffic flow at isolated signalled junctions

being used worldwide by hundreds of authorities, consultants and engineers.



“

We get correct information and don't lose out on any evidence that could be crucial to our case.

”

“

iMAAP is providing us with evidence based solutions

”

**Inspector General of Police  
Himachal Pradesh, India**

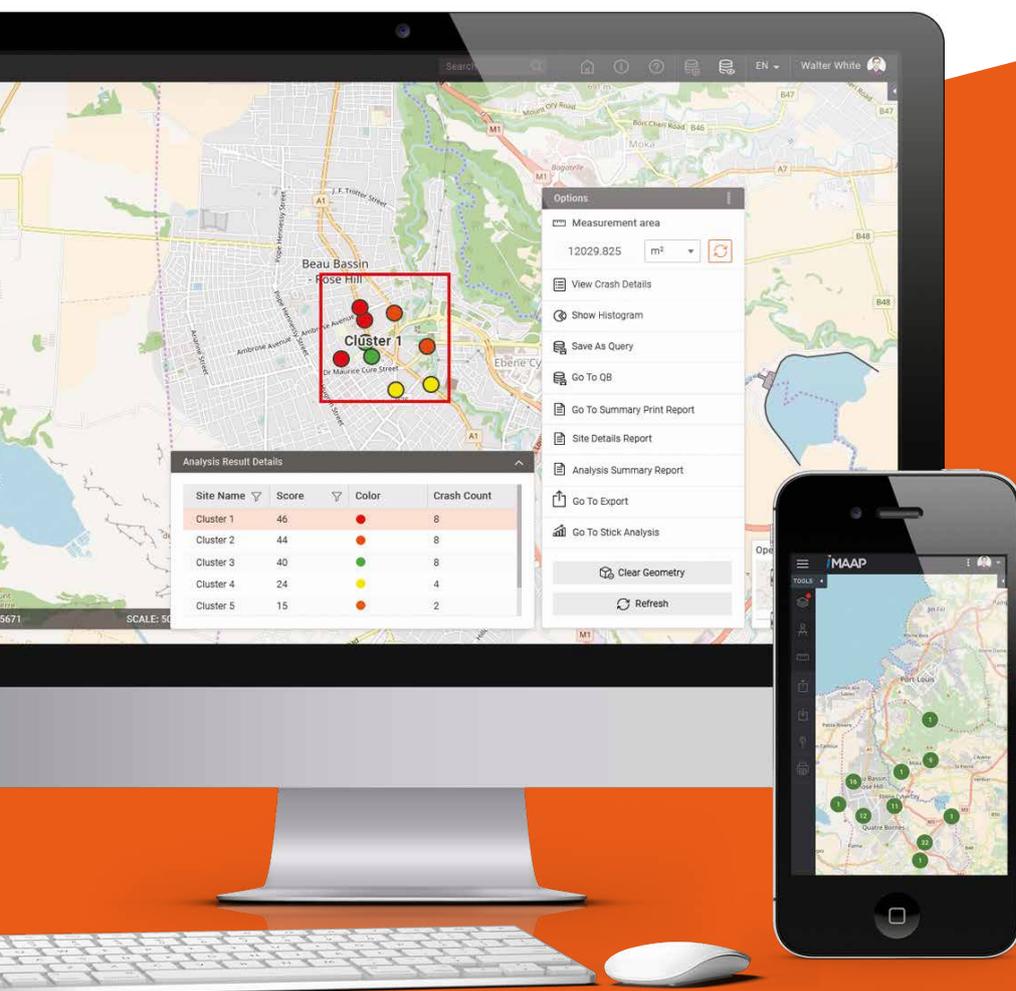
# Generating live data

## Enabling accurate, timely solutions

Supplied in the UK through the UK Government G-Cloud framework and internationally via our website [TRLsoftware.com](http://TRLsoftware.com), iMAAP provides users with a high performance, flexible and secure cloud solution; fully supported by road safety specialists and designed specifically to enable and support collaborative working across departments and multi-organisational partnerships.

iMAAP is compliant with International and Regional Cloud Security compliance laws and regulations, including G-Cloud UK Government Standards, Cyber Essentials Plus, Cyber Threat Protection [UK], and ISO 27001.

Available on any connected device, iMAAP is a fully responsive web application underpinned by decades of TRL research and development and forms an integral part of TRL's suite of transport solutions.



“ Both the iMAAP solution and team exceeded our expectations. We are realising new added benefits and value every single day. Road Safety will now get the support it requires backed by data.

”

**Dr. Rudolph Beckley,**  
National Road Safety Commission, Ghana

Using iMAAP will enable road safety professionals to:

- > **Store, analyse and report on crash data**
- > **Identify problems based on detailed analysis of data**
- > **Establish safety goals which are measurable, realistic and time bonded**
- > **Develop economically appraised countermeasures**
- > **Evaluate the effectiveness of all interventions implemented**
- > **Monitor and address trends**

Key Features  
Include:

- > **Route based risk analysis**
- > **Network Safety Management including Risk Mapping**
- > **Cluster analysis**
- > **Site Management and Road Safety Impact Analysis**
- > **Stick analysis**
- > **Data management and validation**
- > **Before and after analysis**
- > **Integration with live and historic traffic data platforms**
- > **Flexible, user-configurable crash data forms compatible with Integration with Road Assessment Programs (RAP), Road Asset Management Systems and Traffic Management Systems**
- > **Custom accident prediction capabilities through SafeNet module**
- > **In built Business Intelligence (BI) capabilities and dashboard authoring**

# Why TRL Software?

We develop powerful software that is based on solid proven research, trusted by hundreds of authorities, consultants and engineers around the world.

Our road safety experts have extensive experience partnering and collaborating with road safety professionals across the globe, having successfully implemented crash data systems in over 20 countries.

Case studies illustrating recent IMAAP projects can be found on [trlsoftware.com/imaap](http://trlsoftware.com/imaap).

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to arrange a free consultation.



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**TRL** Software