



The definitive Tool to support the Management of Abnormal Loads





ROUTE GUARDIAN

Because it's time to get these
beasts sorted



Index

The following topics are to be described in order to understand what is actually happening:



A New Abnormal Load Management Tool, Why?

The reasons behind the decision of starting this project to develop a new tool to meet the requirements of an industry crying for a change.



What does Route Guardian have to Offer?

A wide range of benefits for both Authorities and haulage companies.



A Brief Walk Through Route Guardian

Let's wander around this web-based application so that we can get a taste of what it actually looks like.



What Next?

Brief explanation of what is expected after the implementation of the system with this organization and following its consolidation in the market.



The Abnormal Loads Risk Iceberg

There are several risks that remain either unknown or, at least, have not been properly quantified. Although the likelihood has not been worked out, the severity of some of these risks suggests they shall be managed. Unfortunately, there are not enough resources (nor even the intention) to properly assess these,



Quality of Data

Information available is often incomplete or inconsistent. Very rarely the quality of the load capacity data is analysed. Thus, there is very little understanding of the actual capacity of the Network.



Lack of Control

The current context does not encourage hauliers to comply with the regulations. Authorities struggle to find resources and they approach AL differently. Serious lack of basic understanding.



Aged Infrastructure

Assessments undertaken in the 90's (some didn't even consider AL). The older a structure gets the more adversely affected their integrity may get due to overloading. Structural defects may be exacerbated.



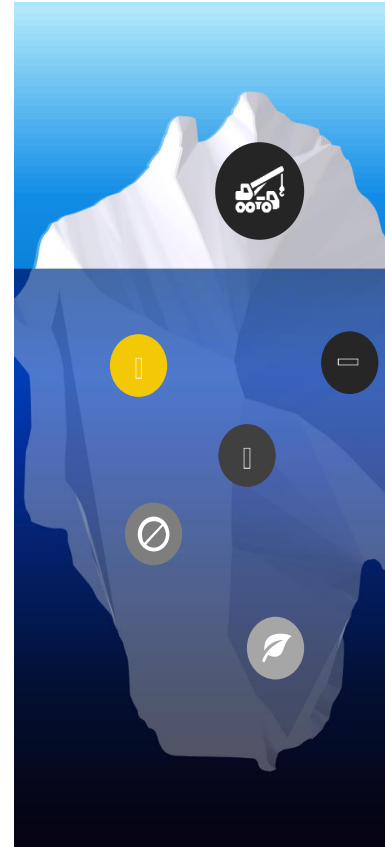
Inaccessible Areas

Several areas in London are getting very difficult to access as more and more restrictions are being imposed. Some of these are believed to be unnecessary.



Environmental

AL are often asked to follow diversion routes far longer than the shortest path. Major routes are usually interrupted forcing AL to get into residential areas.



- ✓ Uncontrolled movement of Abnormal Loads
- ✓ Uncertain risks as data collection is insufficient
- ✓ Inefficiencies and waste
- ✓ Unnecessary reduced capacity of the network



A New Abnormal Load Management Tool, Why?

Repetitive Process

Most of the tasks involved in the management of AL are repetitive, to the point that can even be significantly tedious, making this role not very appealing.



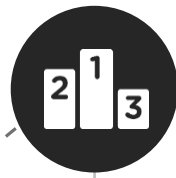
Waste

The way Abnormal Loads is being managed by most of the authorities (if not all of them) is full of inefficiencies and waste. If we consider the management holistically, the problem is exacerbated, as there are plenty of duplication of efforts.



Lack of Competition in the Market

The systems available are not working for most of the industry agents. The lack of competition led to a poor service and low quality software. They are either developed under the wrong approach or dated. The industry demands a solution that is fit for purpose.



Frustration

Negativity, that is what is perceived when you listen to the parties involved. Why bother if, no matter what we do, it is not going to make any difference?
Actually, no one cares about AL anyway!



Let's Create What We Actually Need!

Change from a Reactive to a Proactive Approach
Instead of moaning around about what is not working, why don't we get into the driving seat and sort this out?



What does Route Guardian have to Offer?

Administration

The systems receive the notifications and work out the priorities, presenting them in a user friendly format.



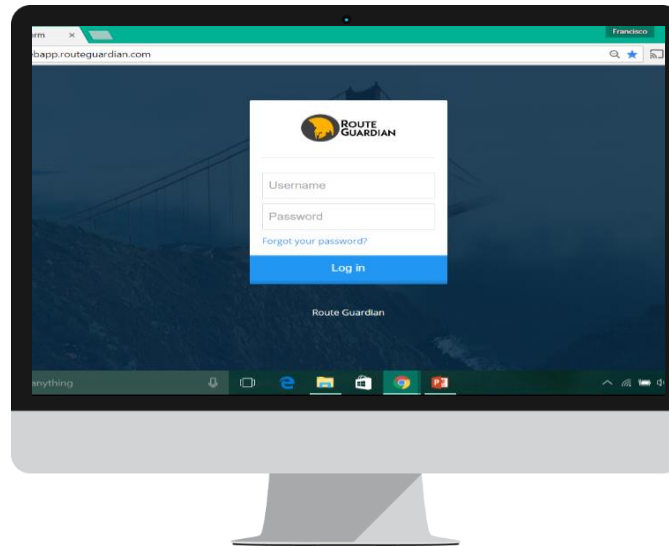
Data management & Archiving

The data is processed almost automatically. Every piece of information is then storage ready to be used (or exported) at any moment.



Routing

The system will be able to work out the routes from the most common formats. It will identify the structures or restrictions affected.



Engineering

Using the existing data from the structures and information re the vehicle notified, it will be able to automatically calculate the suitability of the assets (tolerances will be editable).



Communications

The system will provide automatic responses to hauliers and facilitate further communications when manual input is required.



Analysis & Reporting

The system will collect all the data received and will put it in a format that can be easily interpreted. This will be editable and further analysis will be possible by exporting all the data into a spreadsheet format.



What does Route Guardian have to Offer?

Special Features



⚡ Web-based Application: Maximised Connectivity

⚡ Haulier Platform Available (but not essential)

⚡ Real Time Updates: Connected to Asset Database
Bridge Station would be a perfect combination

⚡ Communications Module: Easy access to messages related to a specific matter.

⚡ Process all the Notifications Received (Any Format)

⚡ Haulier able to see the Status of the Notice in Real-Time

⚡ Assessment and Support Compliance Performance

⚡ Able to Assess Historical Notices: To Build Up a More Robust Database

⚡ Connected with Police Departments: Access to check Status of Notices even on the Street with Mobile or Tablet

⚡ Sat-Nav Guidance for drivers & Tracking of actual movements

⚡ Tailored to the Needs of the Organization: Enabling /Disabling Functionalities Accordingly. Different Versions

⚡ Access Hierarchy: Functionalities Enabled Depending on User Role / Category.



The Value of Information

90% of the Value

The Principles of Asset Management define that this is the Value released during these 2 stages



Decision

Analysis

'Reporting'

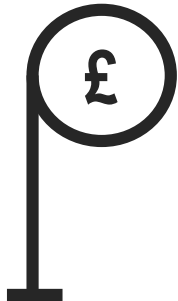
Integrate/Process into Info

Data Storage

Data Collection

90% of the Cost


The Principles of Asset Management define that this is the Cost required during these 2 stages



From an Asset Management perspective, this tool will integrate most of the stages, facilitating the decision making process for any department influenced by AL. Evaluation of the Risk that AL apply to the Assets.



A Brief Walk Through Route Guardian



ROUTE
GUARDIAN

[Forgot your password?](#)

[Log in](#)

Route Guardian



What Next?

Cost-effective / Un-constrained Development

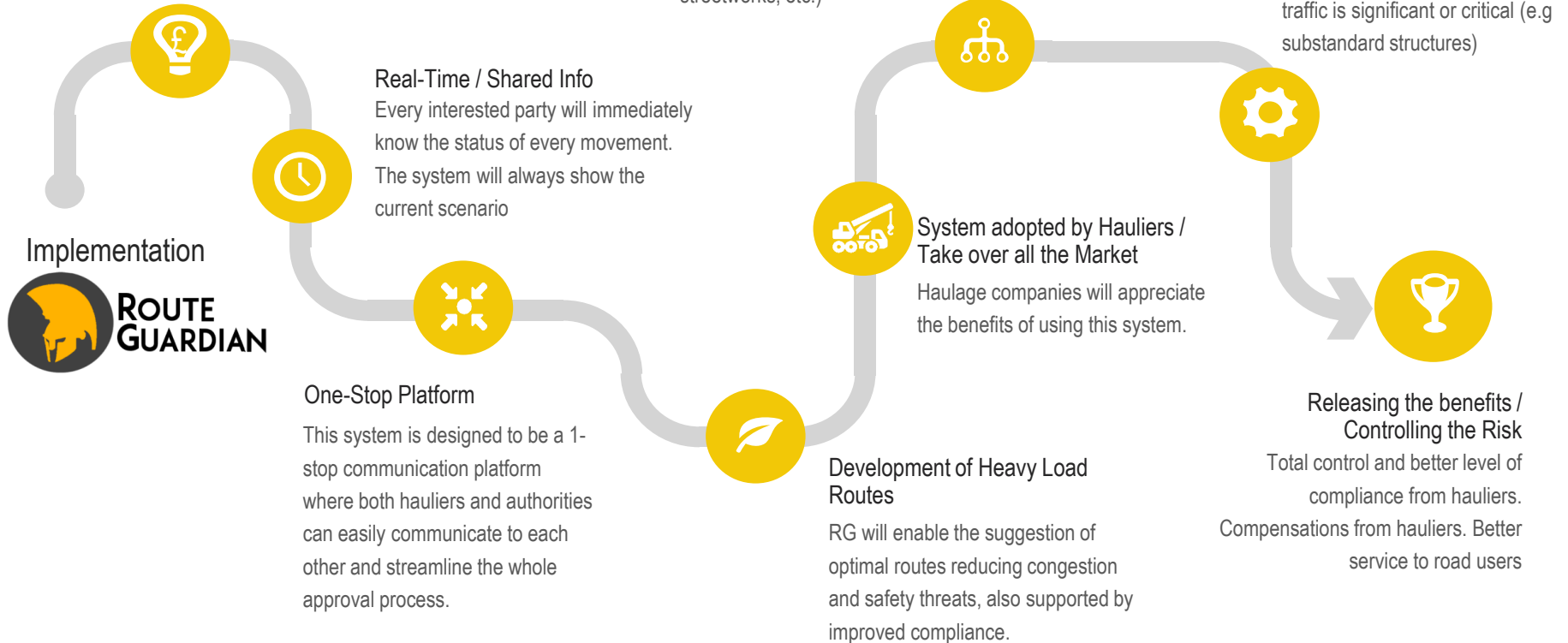
Unlike other providers, we developed the application based on the current requirements of the industry. No indirect costs. Small efficient team. Flexible approach

Development of New Modules and Extra Services

Connection with other activities in the company (e.g. link to Agile Assets, Connection to CCTV, telematic control of vehicles, police escort management, management of fines/prosecutions, linked to road-space booking, streetworks, etc.)

Better Asset Management

Greater understanding of what is actually happening on the network. Informed decisions re assets where abnormal load traffic is significant or critical (e.g substandard structures)

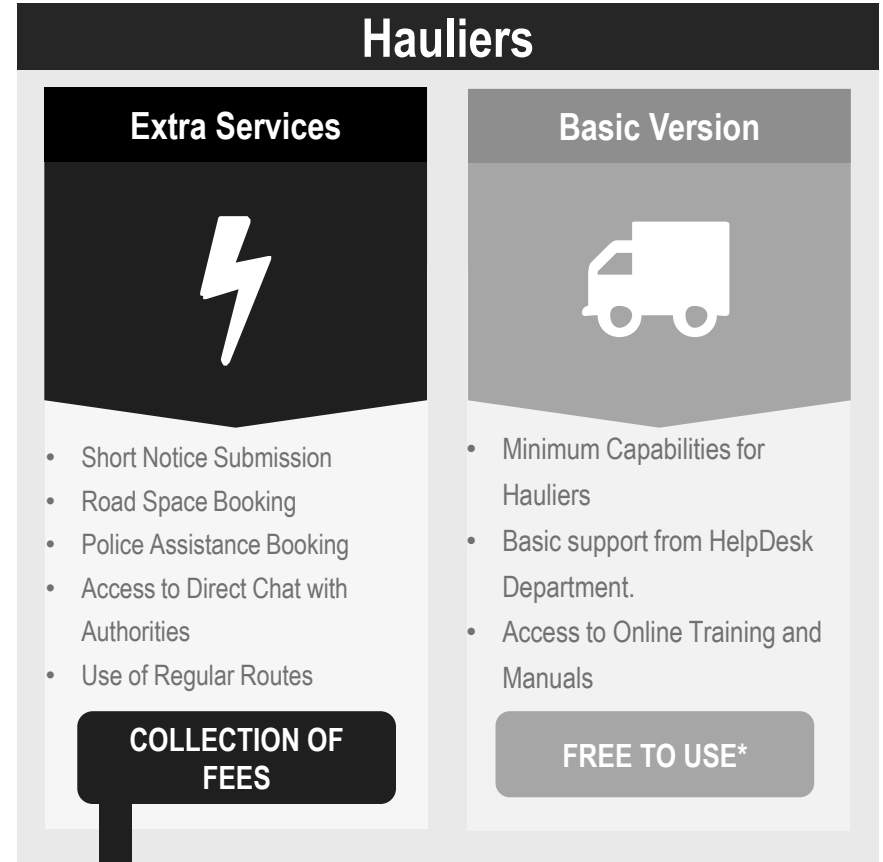


New Business Model



Income Generated for Product Owner

Generation of further funding to be used in further development of system



Income Generated for Authority

Authorities will be able to collect fees for services that are not statutory but are currently providing





Thank you for your attention



webapp.routeguardian.com

Any Questions

