

# Managing Fatigue, saves lives.

Does your company have a fatigue risk management plan in place that is legally and scientifically defensible?

**Why is this important?** The new FRA Rule places obligations on railroad operators to identify, assess and mitigate fatigue risk, that go well beyond HOS management. Regulatory compliance will now require you to develop a sophisticated safety case to demonstrate how you identify, measure and mitigate the risk of fatigue-related errors. Getting help to meet these obligations traditionally requires specialist Fatigue consultants or employing new staff – both expensive options.

Fatiguefit empowers railroad operators to manage their regulatory obligations for fatigue easily and cost-effectively. Like having your own "consultant-in-a-box", Fatiguefit is a simple to use digital fatigue risk management assessment, expert guide and online compliance solution suite.

Fatiguefit is the solution for railroads that will reduce your risk, speed compliance, and give you a legally and scientifically defensible position for fatigue risk management.



### Fatigue Science made user friendly and practical

We've done all the hard work, so you don't have to. Drawing on world leading fatigue management expertise.



### Experience you can trust.

Fatiguefit combines 30 years of rail industry experience with evidence-based fatigue management research.



### Find the gaps.

Your Fatiguefit assessment will show you where your risk exposure lies and what you need to achieve FRA Rule compliance.

## We're here to help you achieve compliance

### Assessing fatigue risk management practices

Online assessment, context sensitive guidance & education, clear reporting on your company's compliance gaps

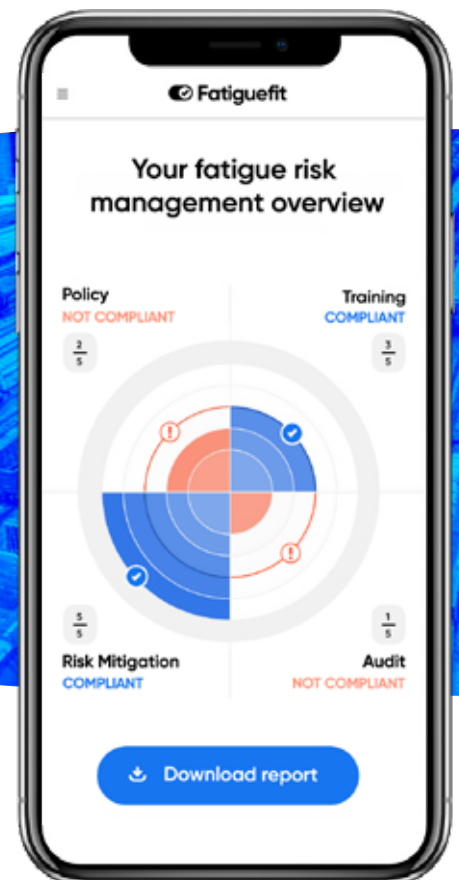
### Practical, online safety and compliance toolset

Covering Policy, Training, Risk Assessment & Mitigation and Audit. Only use the tools you need, when and where you need them.

### Ongoing visibility of progress to compliance

- Dashboards showing controls implemented, completion rates and compliance status across your entire business;
- Linking to your existing corporate risk management systems;
- Ongoing access to expert guidance and support as required.

The outcome is a safer, compliant and more efficient railroad.



support@fatiguefit.com

## Michael Brazytis

Mike is a 36 year veteran of the railroad industry, including 10 years as the General Director Crew Management for Union Pacific Railroad. His experience includes senior roles in Dispatch and Transportation as well as 10 years in Engineering/Maintenance of Way.

Fatigue risk management has been a career passion for Mike and that is reflected in the influential role he has played at the forefront of the industry's approach including:

- Working with the FRA to develop and implement Electronic Hours of Service which were used in the development of the Hours of Service rules in the 2008 Rail Safety Improvement Act
- Representing the Union Pacific Railroad at the Rail Safety Advisory Committee for the 2008 Rail Safety Improvement Act
- Working with Prof. Drew Dawson and Dr Denny Holland in developing the Fatigue Risk Management Plan for Union Pacific Railroad
- Implementing the use of Fatigue Analysis InterDyne (FAID) in conjunction with InterDynamics on the Union Pacific Railroad



## Professor Drew Dawson

Drew Dawson is an internationally recognised authority on shift work and fatigue with over 200 international peer reviewed publications over 30 years.

He has published extensively on fatigue risk management in real world settings and has pioneered risk-based approaches to fatigue management based on ISO31000. Drew was the founding Director of the Appleton Institute in Australia, globally recognised for its work in shift work and fatigue risk management. He was made an Honorary Fellow of the Australian Institute of Health and Safety for his work in reducing fatigue-related accidents.

In North America he has been a scientific policy advisor for regulators including:

- the FRA
- the FMCSA
- Railroad Association of Canada
- SafeWork BC in Canada

In Australia, Drew has been a fatigue subject matter expert for many government agencies including:

- the Office of the National Rail Safety Regulator since 2008.
- The National Heavy Vehicle Regulator since 2001
- The Civil Aviation Safety Authority since 1997-2006
- SafeWork Australia 2014-8

He has provided consultancy services to most of the Class 1 railroads in the US and Canada, and all of those in Australia.

Drew's research and IP underpinned the development of the original FAID software suite and the Fatiguefit product suite.

## Steven Perlen

Steven has spent the last 20 years helping asset intense industries achieve their business improvement and financial return objectives from their technology investments. Throughout his career he has developed innovative solutions to build capability, grow sustainably and deliver on strategic intent. His focus is to help businesses build a prosperous and inclusive society that leaves a positive legacy for future generations.

Steven began in Forestry and Land Management and after a decade working in both Australia and Canada, he completed his MBA and made a major career change.

Moving industries, Steven joined Australia's largest cash logistics provider as their Productivity Improvement Manager where he was responsible for analysis, identification, and implementation of process improvements across all aspects of operations.

Since then, he has worked in a diverse range of industries including transport and logistics, energy and utilities, mining, oil & gas, healthcare and emergency services. Prior to joining Fatiguefit he was a Director with global consulting firm PwC.

