

Weed control on the railway

Challenges & practices

Safety, Technical and Engineering

Health & Safety
Finance

Engineering
Business Management



Contents

Safety, Technical and Engineering

Health & Safety

Finance Busines

Engineering
Business Management

Environment & Sustainable Development



Contents

Introduction

Historical context

Challenges

Practices

Technology transfer

Conclusions

Safety, Technical and Engineering

Health & Safety

Finance

Engineering
Business Management



Introduction

Safety, Technical and Engineering

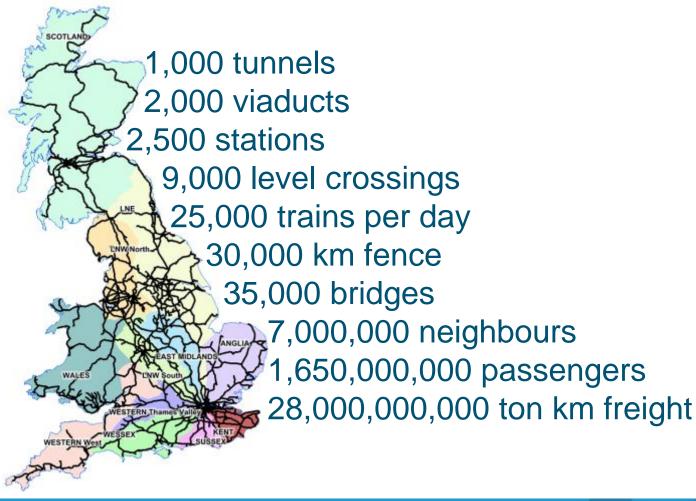
Health & Safety

Finance Business Management

Engineering

Environment & Sustainable Development



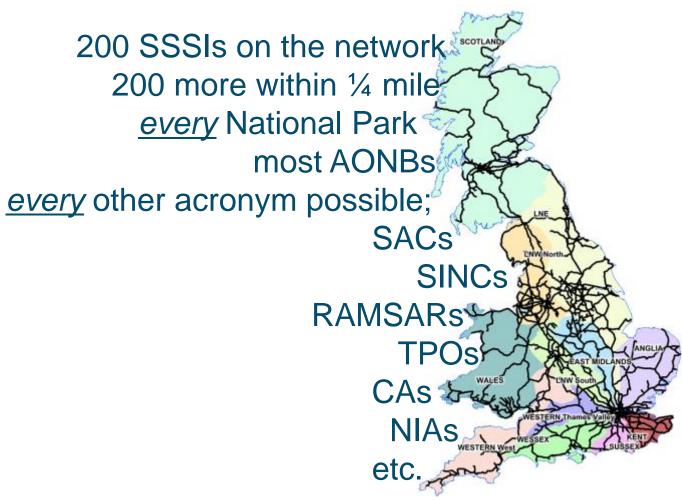


Health & Safety

Finance

Engineering Business Management





Health & Safety

Finance

Engineering

Business Management

Environment & Sustainable Development

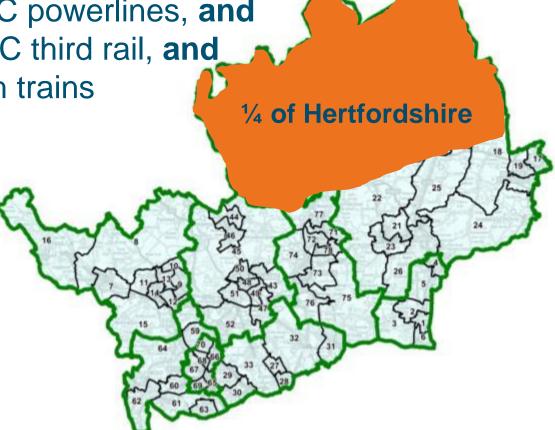




25kV AC powerlines, and

750V DC third rail, and

125mph trains



Safety, Technical and Engineering

Health & Safety Finance

Engineering **Business Management**



Some pictures of old trains... Historical context

Safety, Technical and Engineering

Health & Safety

Finance

Engineering

Business Management

Environment & Sustainable Development





1950s





1960s









Challenges

Safety, Technical and Engineering

Health & Safety

Finance Business Management

Engineering

Environment & Sustainable Development



High speed rail



Safety, Technical and Engineering

Health & Safety
Finance

Engineering Business Management

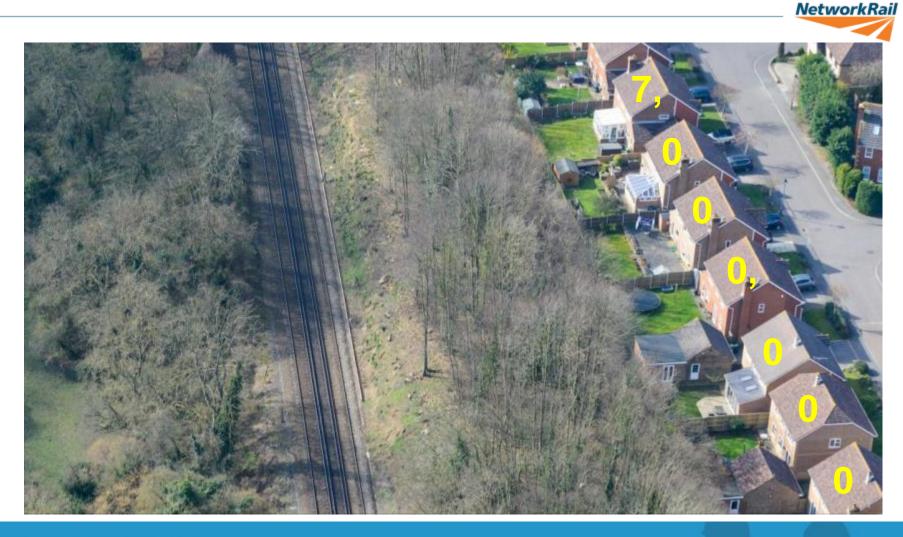


Public



Safety, Technical and Engineering

Health & Safety Finance Engineering Business Management



Health & Safety Finance Engineering Business Management





Health & Safety Finance Engineering Business Management



Challenging infrastructure



Safety, Technical and Engineering

Health & Safety
Finance

Engineering Business Management



Historic assets



Safety, Technical and Engineering

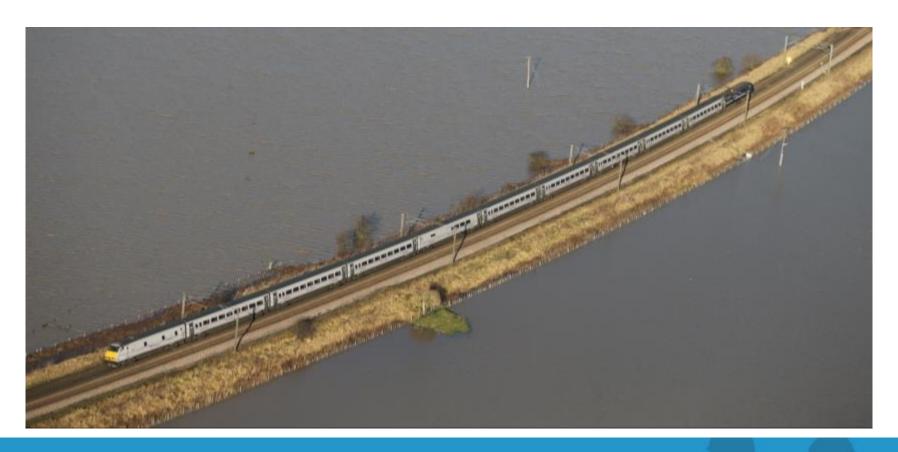
Health & Safety

Finance

Engineering
Business Management



Drainage 'issues'



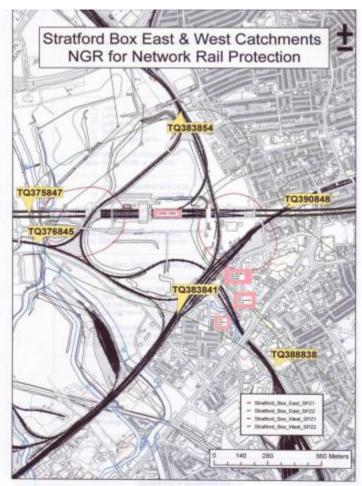
Safety, Technical and Engineering

Health & Safety
Finance

Engineering Business Management



No spray areas



Safety, Technical and Engineering

Health & Safety
Finance

Engineering Business Management



Cover Crops – Railway-style!

Safety, Technical and Engineering

Health & Safety

Finance Business Management

Engineering

Environment & Sustainable Development





Health & Safety Finance Engineering Business Management





Health & Safety Finance Engineering Business Management





Health & Safety Finance Engineering Business Management



Practices

Safety, Technical and Engineering

Health & Safety

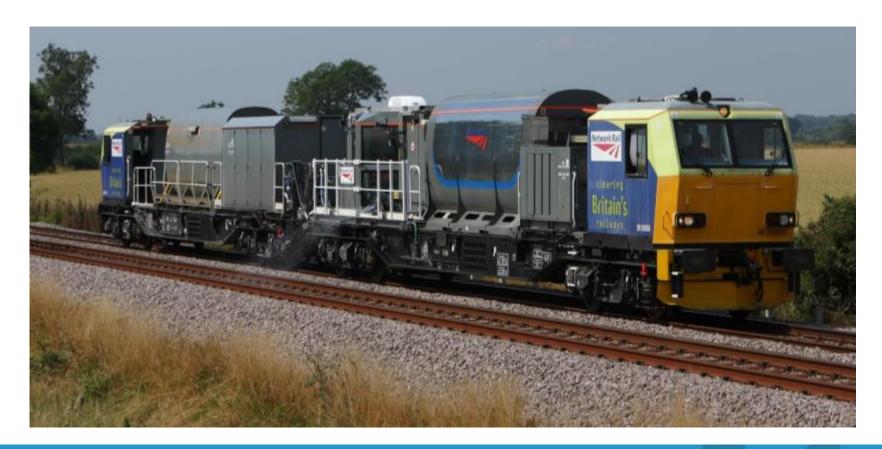
Finance Business Management

Engineering

Environment & Sustainable Development



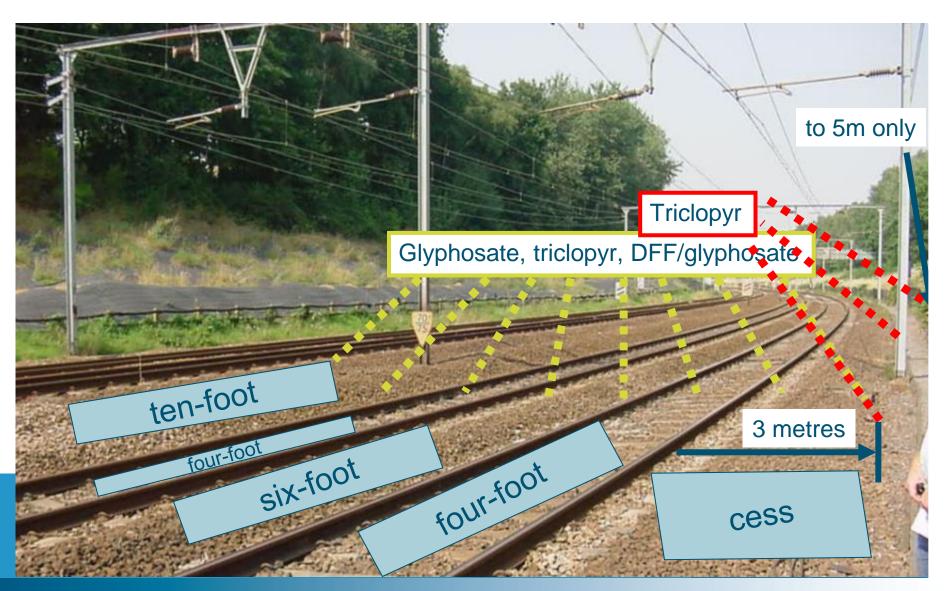
MPVs



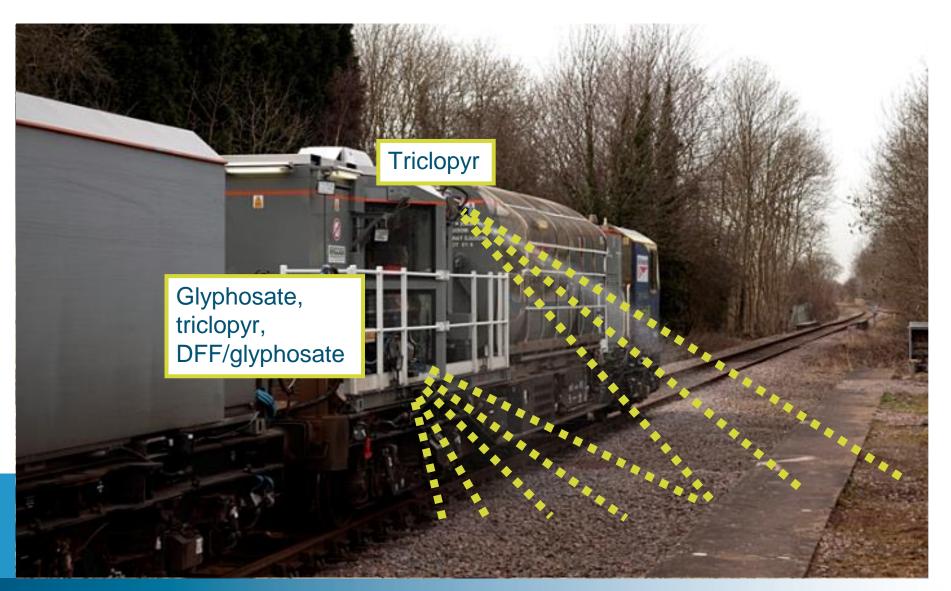
Safety, Technical and Engineering

Health & Safety Finance Engineering Business Management











Radiarc spray technology



Safety, Technical and Engineering

Health & Safety Finance Engineering Business Management



Forward visibility



Safety, Technical and Engineering

Health & Safety

Finance Busi

Engineering

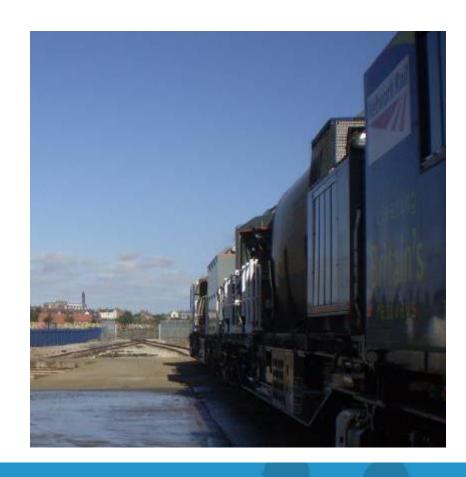
Business Management

Environment & Sustainable Development



Forward visibility





Safety, Technical and Engineering

Health & Safety
Finance

Engineering Business Management



RRVs





Safety, Technical and Engineering

Health & Safety

Finance

Engineering

Business Management

Environment & Sustainable Development



Hand spray



Safety, Technical and Engineering

Health & Safety

Finance

Engineering
Business Management



EcoPlugs





Safety, Technical and Engineering

Health & Safety
Finance

Engineering Business Management



Technology transfer

Engineering

Safety, Technical and Engineering

Health & Safety

Finance Business Management

Environment & Sustainable Development

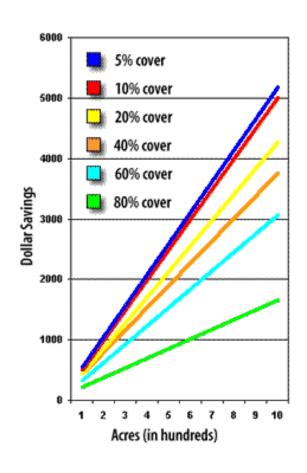


From agriculture









Safety, Technical and Engineering

Health & Safety
Finance

Engineering Business Management





Health & Safety Finance Engineering Business Management





Health & Safety
Finance

Engineering Business Management



From aviation



Safety, Technical and Engineering

Health & Safety

Finance

Engineering
Business Management



Health & Safety Finance Engineering Business Management



Conclusions

Safety, Technical and Engineering

Health & Safety

Finance

Engineering

Business Management

Environment & Sustainable Development



Before and after





Safety, Technical and Engineering

Health & Safety
Finance

Engineering
Business Management



Does it always work?



Safety, Technical and Engineering

Health & Safety
Finance

Engineering Business Management



