



MainTrain

A serious game on complexities of rail maintenance

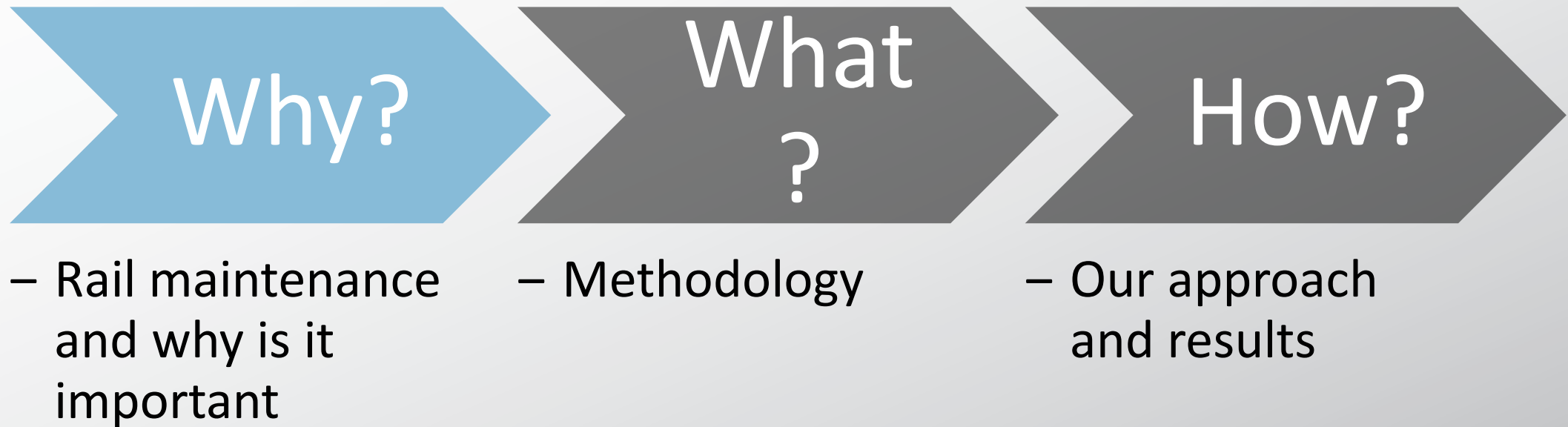
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Schedule



Schedule



Context

Part of Serious Game Design Course
Real clients & real complex situations

Case study

The Netherlands and the rail network
Issues with maintenance perception

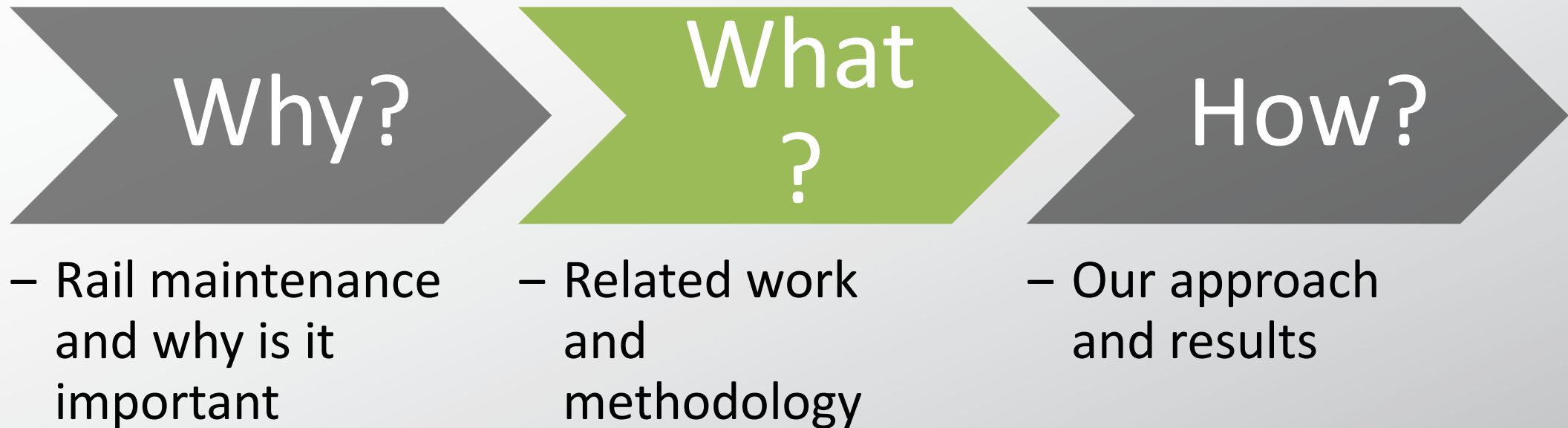


Types of rail maintenance



Focus on **planned maintenance**

Schedule



Slide missing: visualization of
existing work

Approach

Develop Rail Maintenance Game

Convention/fair audience

Show Difficulty of Scheduling

Convey 'Someone Will Lose' Principle

Rolling Stock, Track, Stations

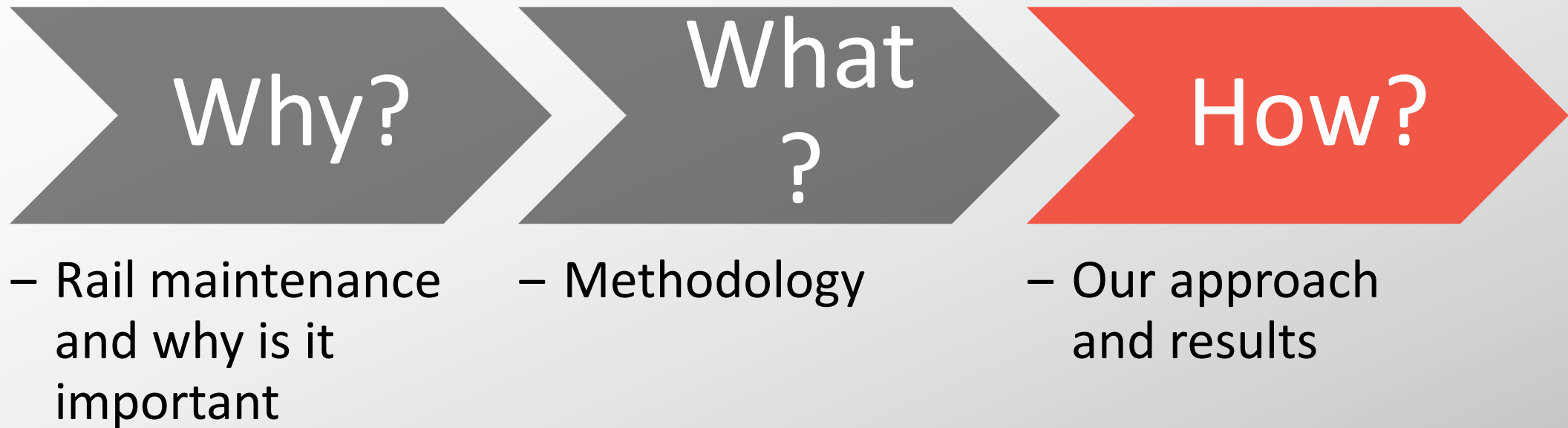
Game Facets

Short Duration, ~10 minutes

Increase Difficulty

Mimic Real-Life Aspects

Schedule





Start: Madrid
End: Tramsterdam



00:01 9

Start: Longyearbyen
End: Badhoevedorp



00:05 9

Start: Madrid
End: Badhoevedorp



00:10 18

Transport Goal : 70
Passengers transported : 56

Passenger Happiness



Paris

Madrid

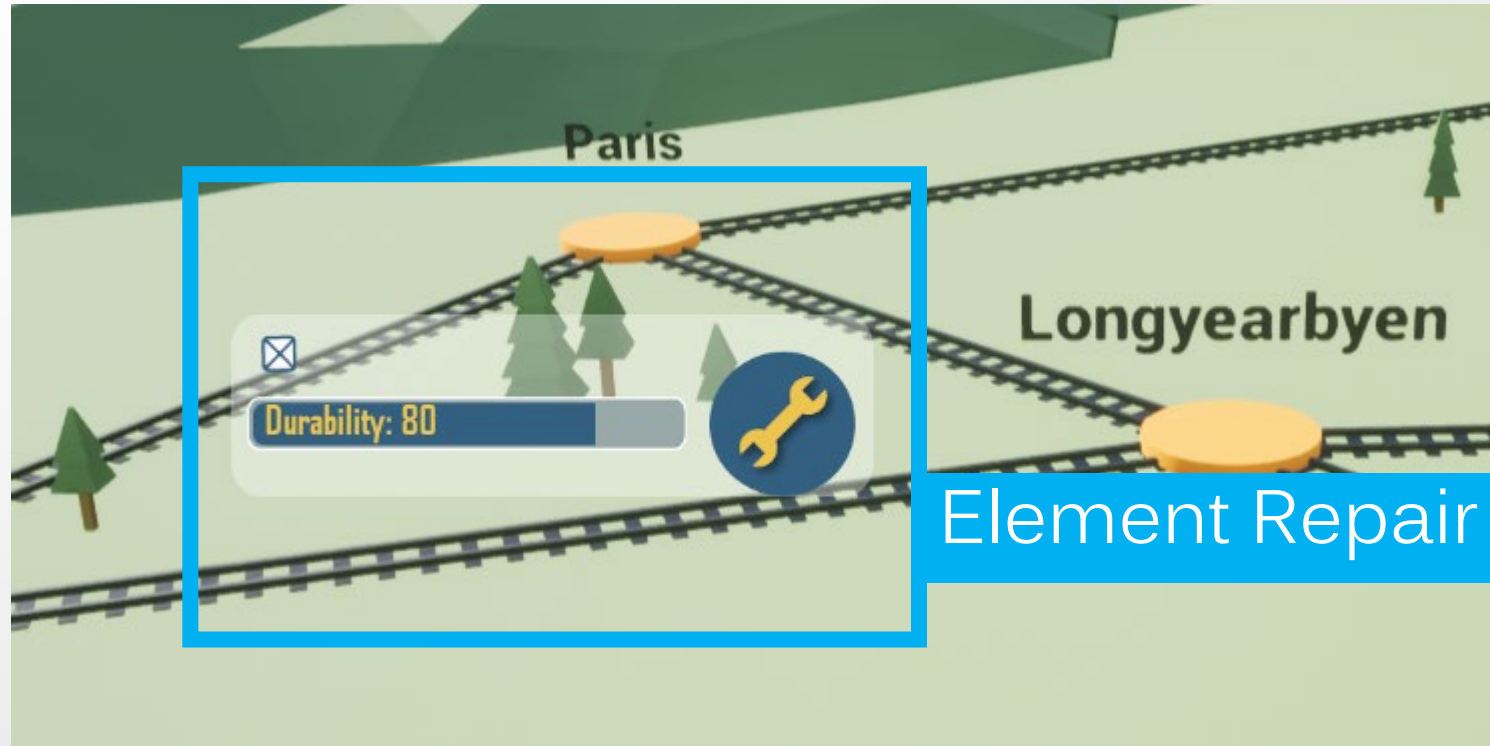
DeRAILED!

You transported 76 people

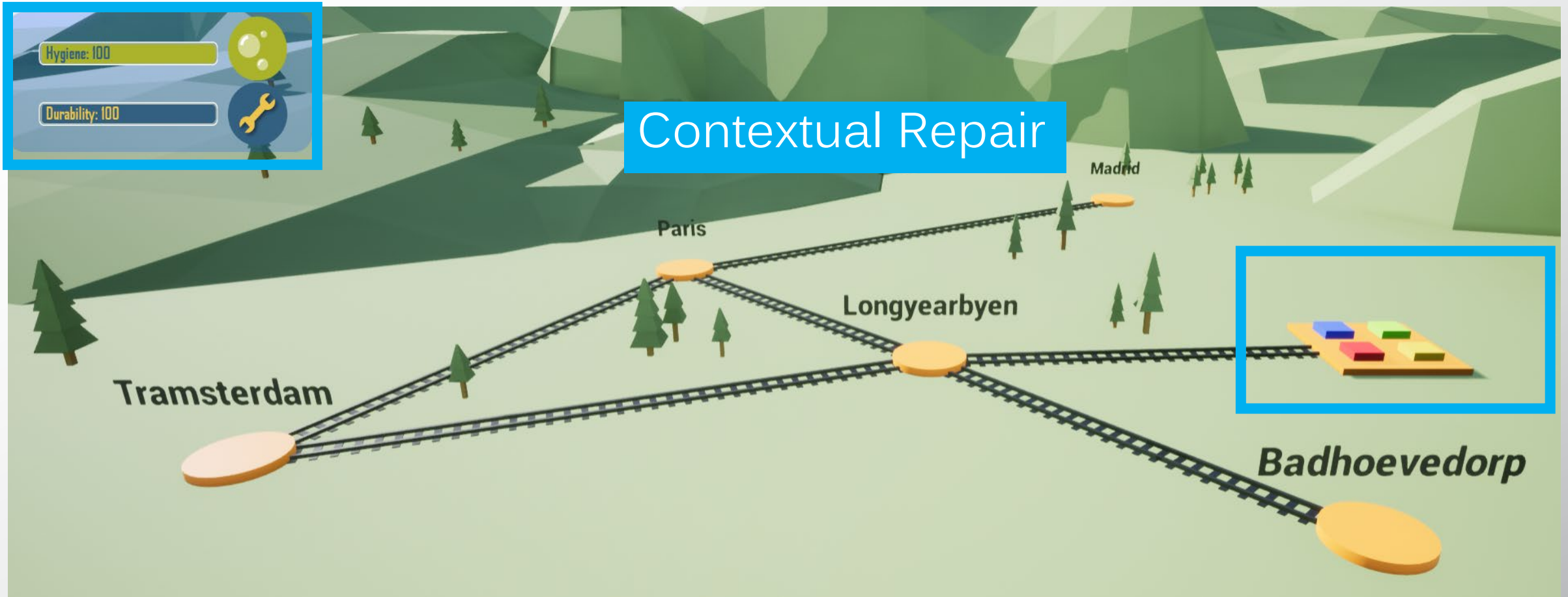
Replay

Badhoevedorp

Feature overview



Feature overview



Demostration



MAINTRAIN

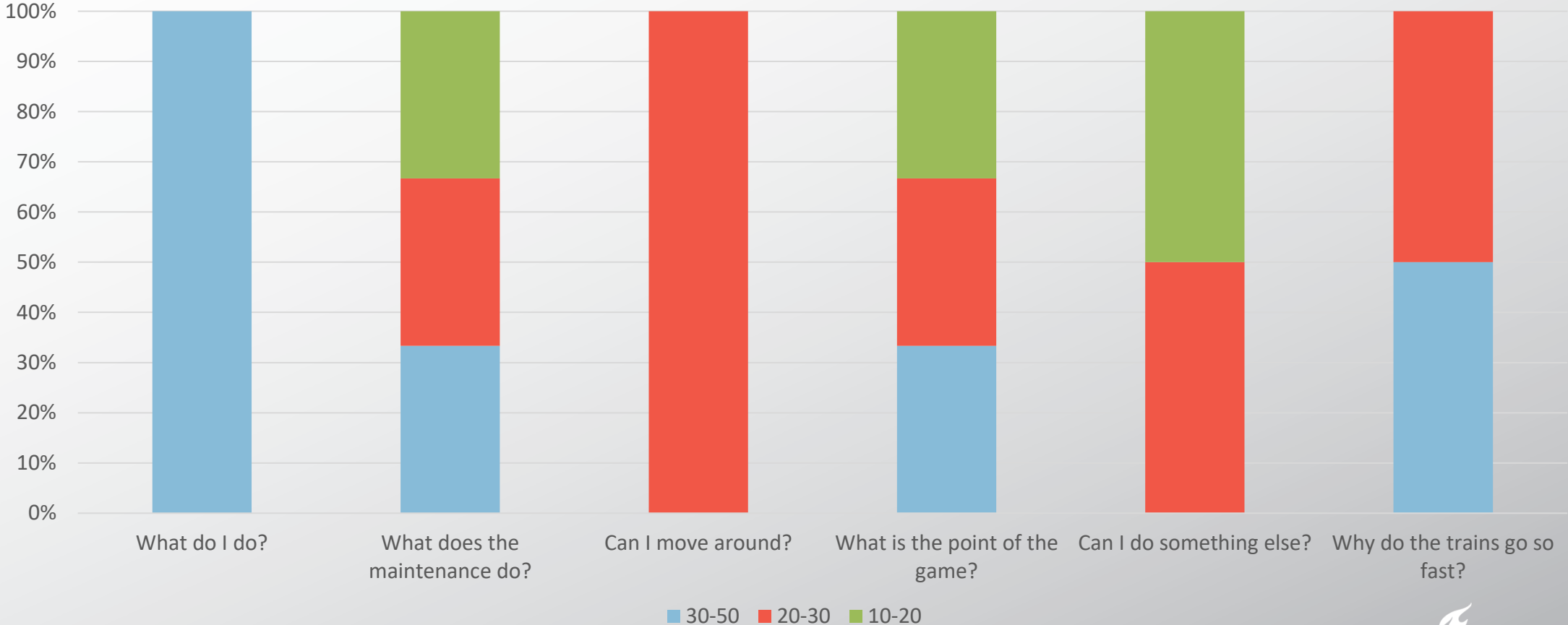
Play

Exit

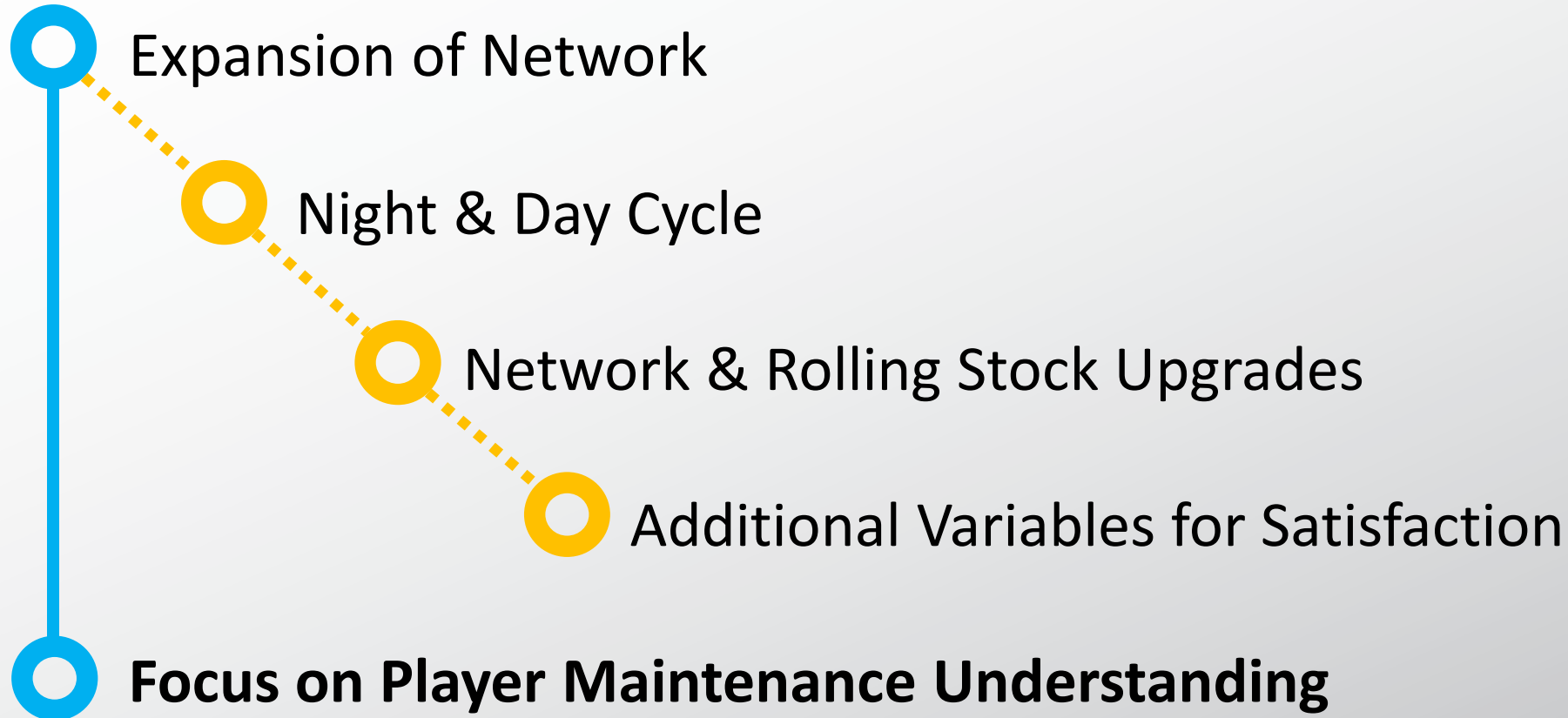


Testing results

NEEDS IMPROVEMENT



Future Development





Questions?