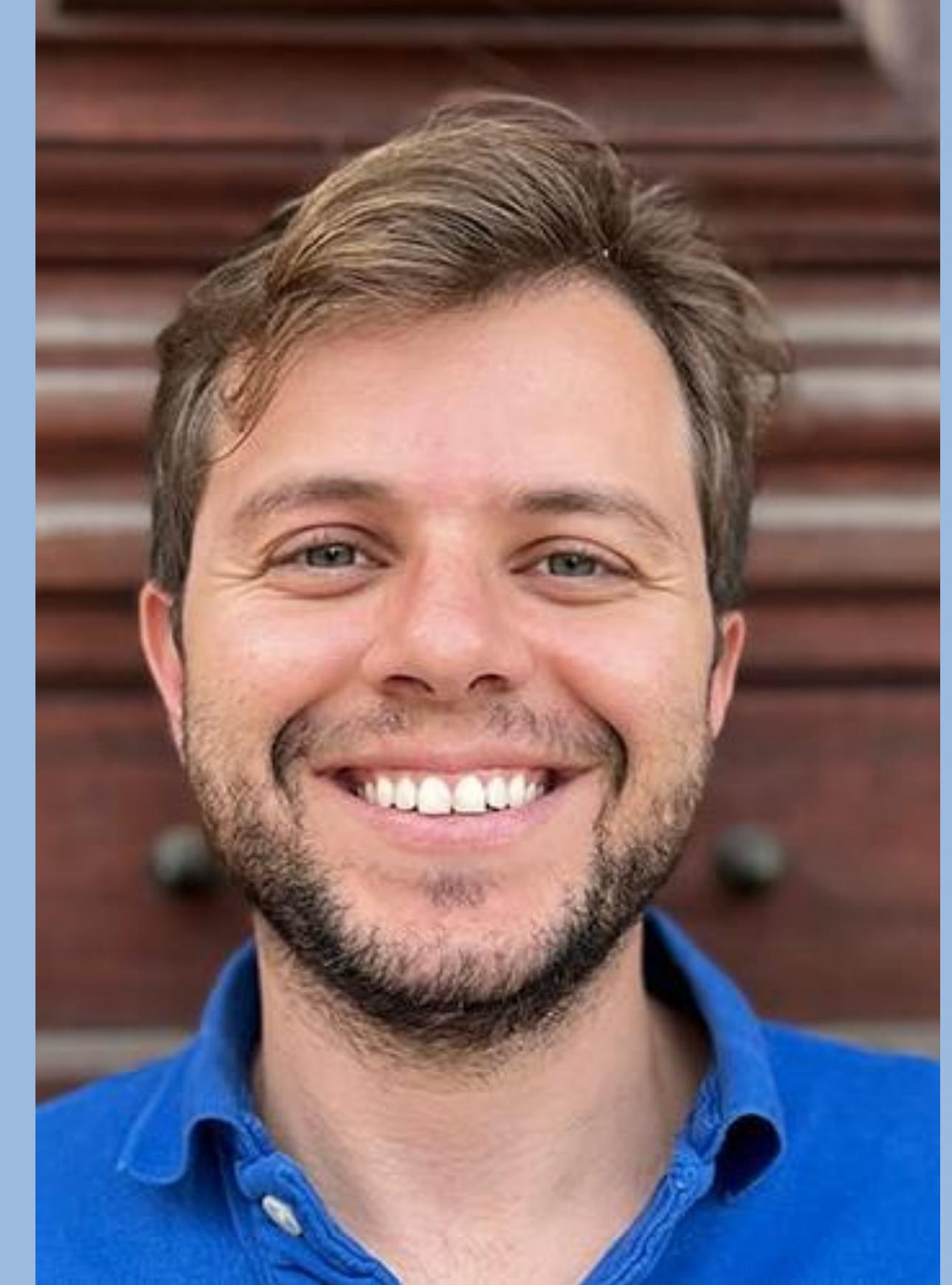




Paulo Lobato

Technical Consultant for
Permanent-Way
Maintenance,
Motiva



August 26-28,
2025

WRI2025RT

SEATTLE, WA



Controlling Track Bucklings



RAIL TRANSIT SEMINAR



August 26-28,
2025

SEATTLE, WA



Paulo Lobato

WRI2025RT



Motiva's group

3 MM

Pax per day

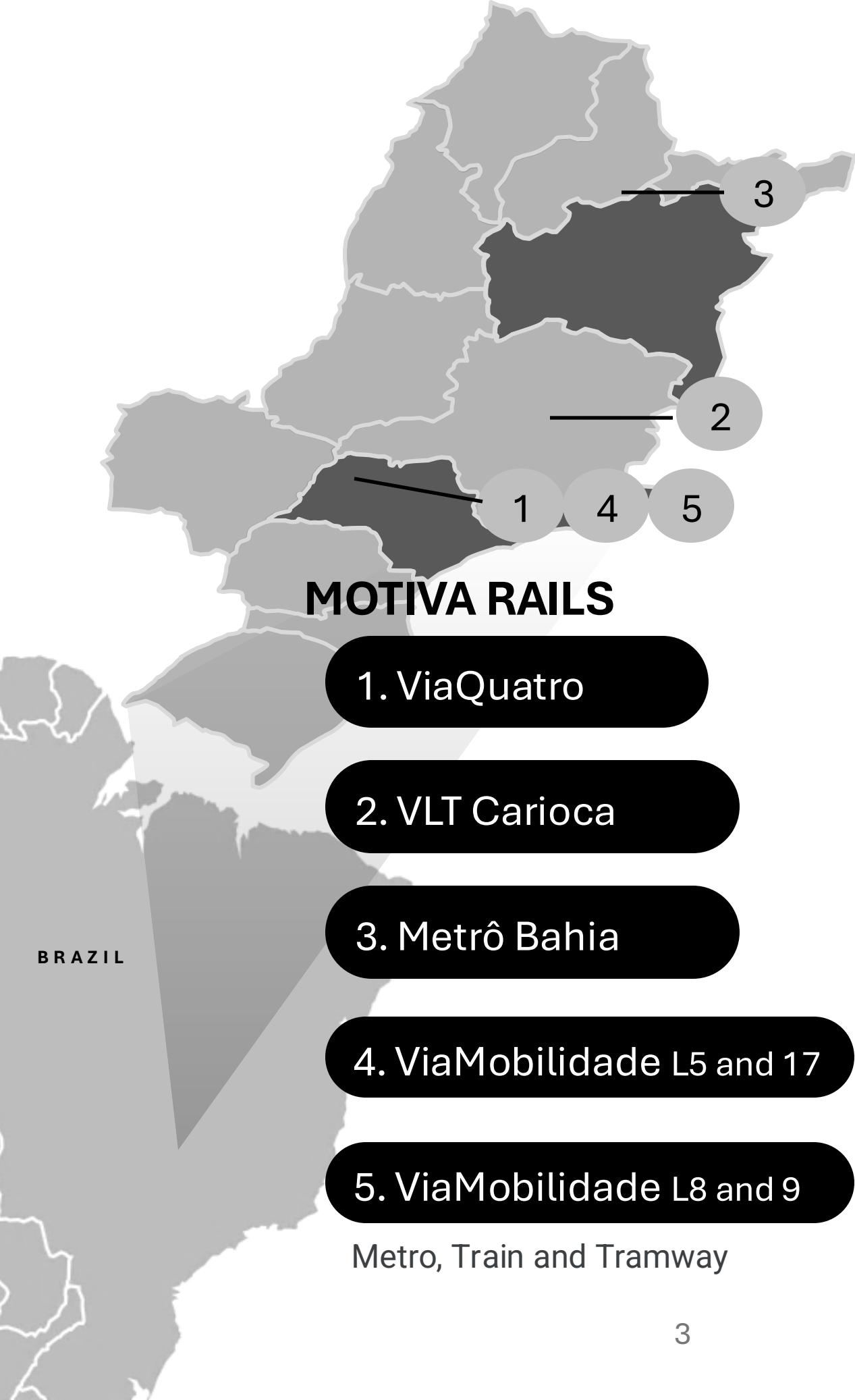
124
Stations

220
Compositions

+ 7380
Employees

WRI2025RT

SEATTLE, WA

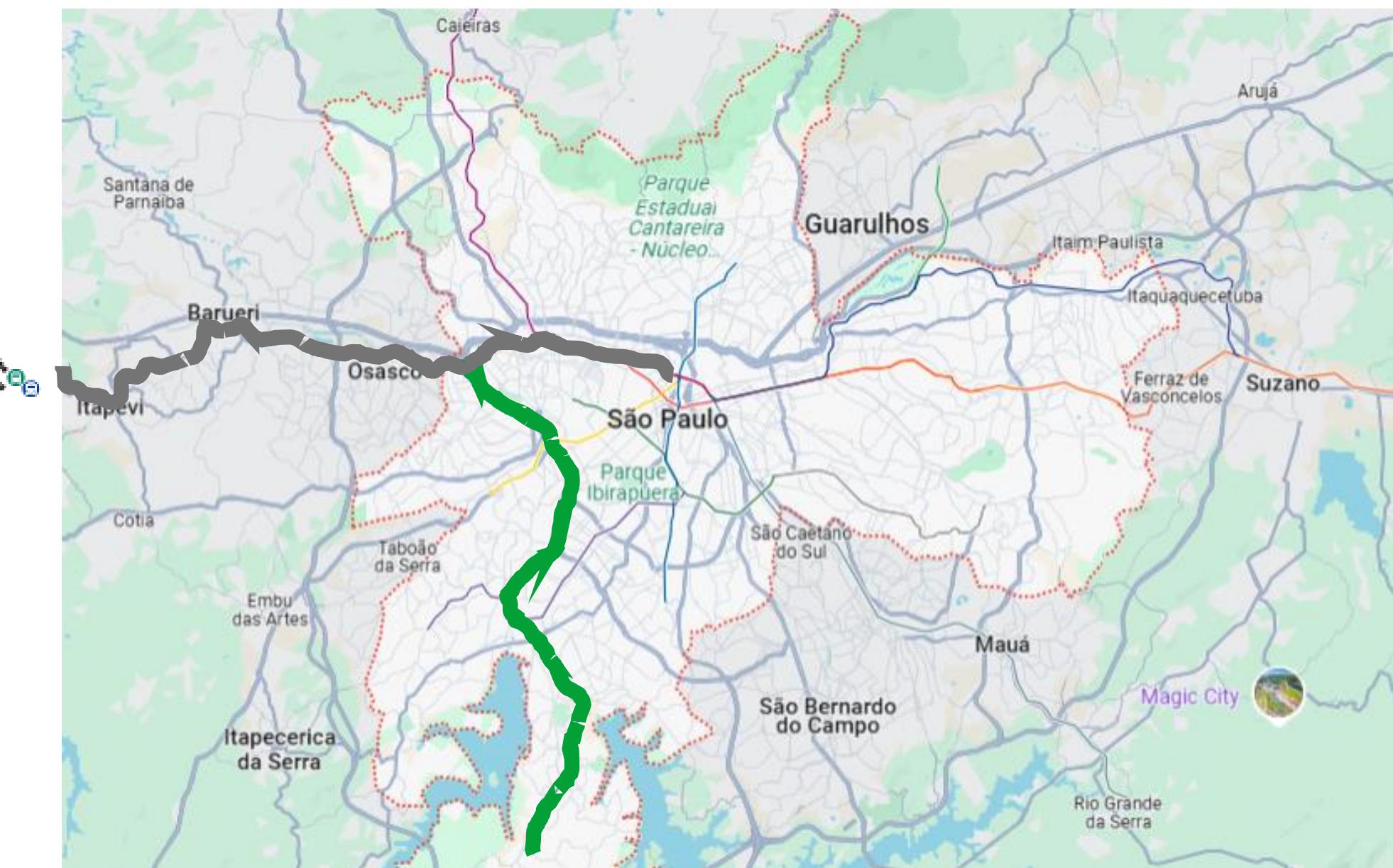
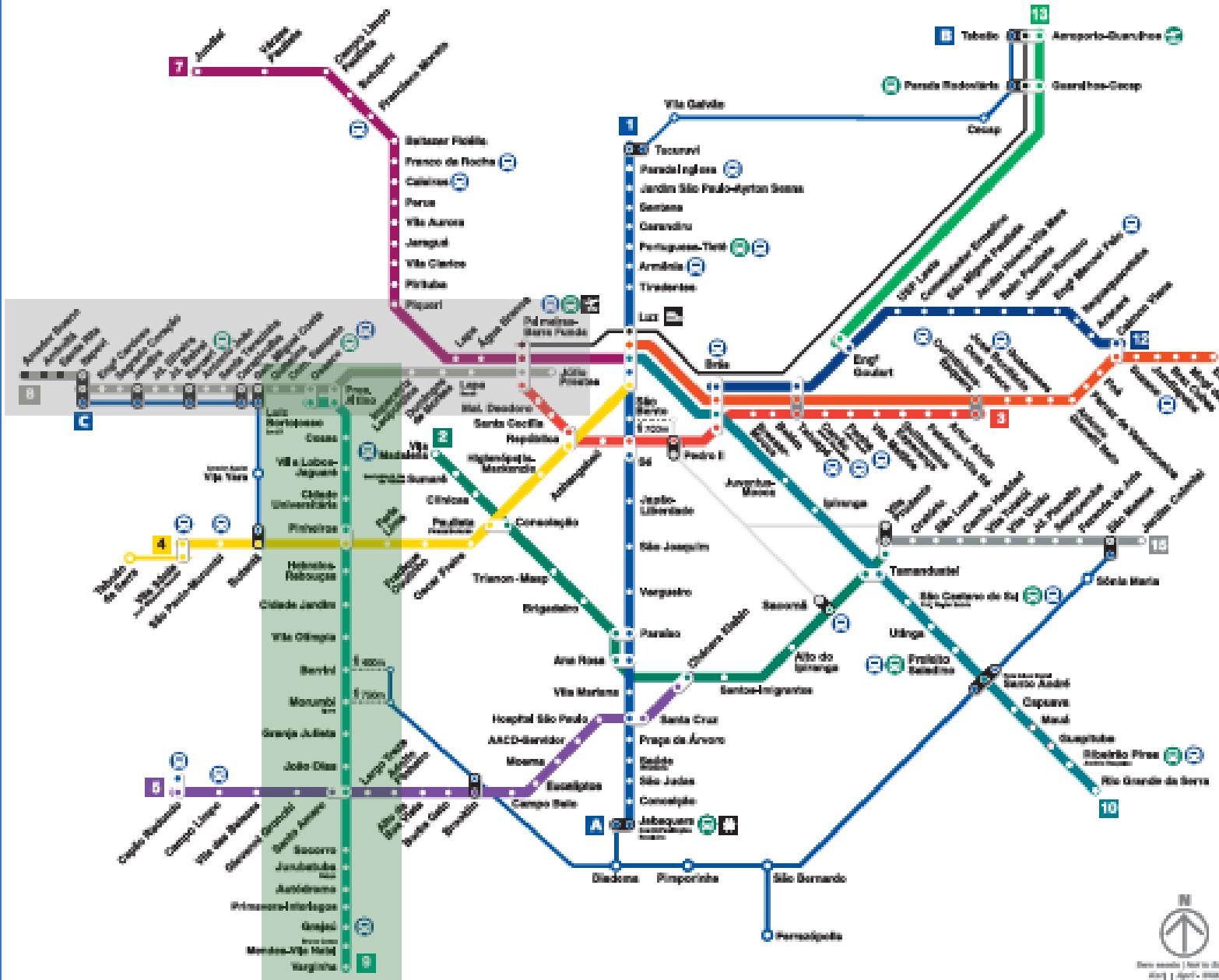




Créditos: CNN Brasil

<https://www.cnnbrasil.com.br/economia/fim-do-escritorio-na-faria-lima-para-gigante-dos-imoveis-ainda-e-cedo-affirmar/>

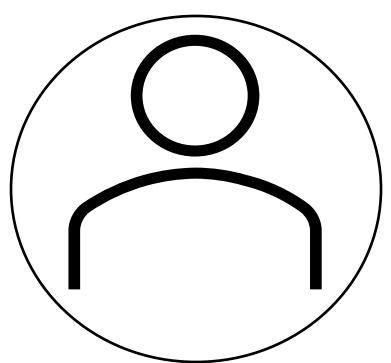
São Paulo's network





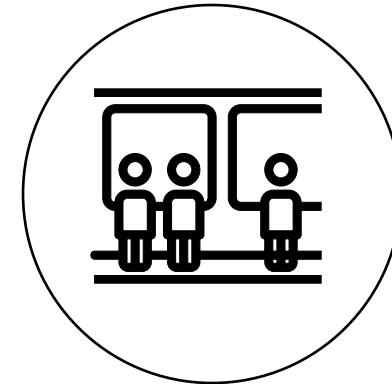
Via Mobilidade 8 e 9

RAIL TRANSIT SEMINAR



800K

Passengers
per day



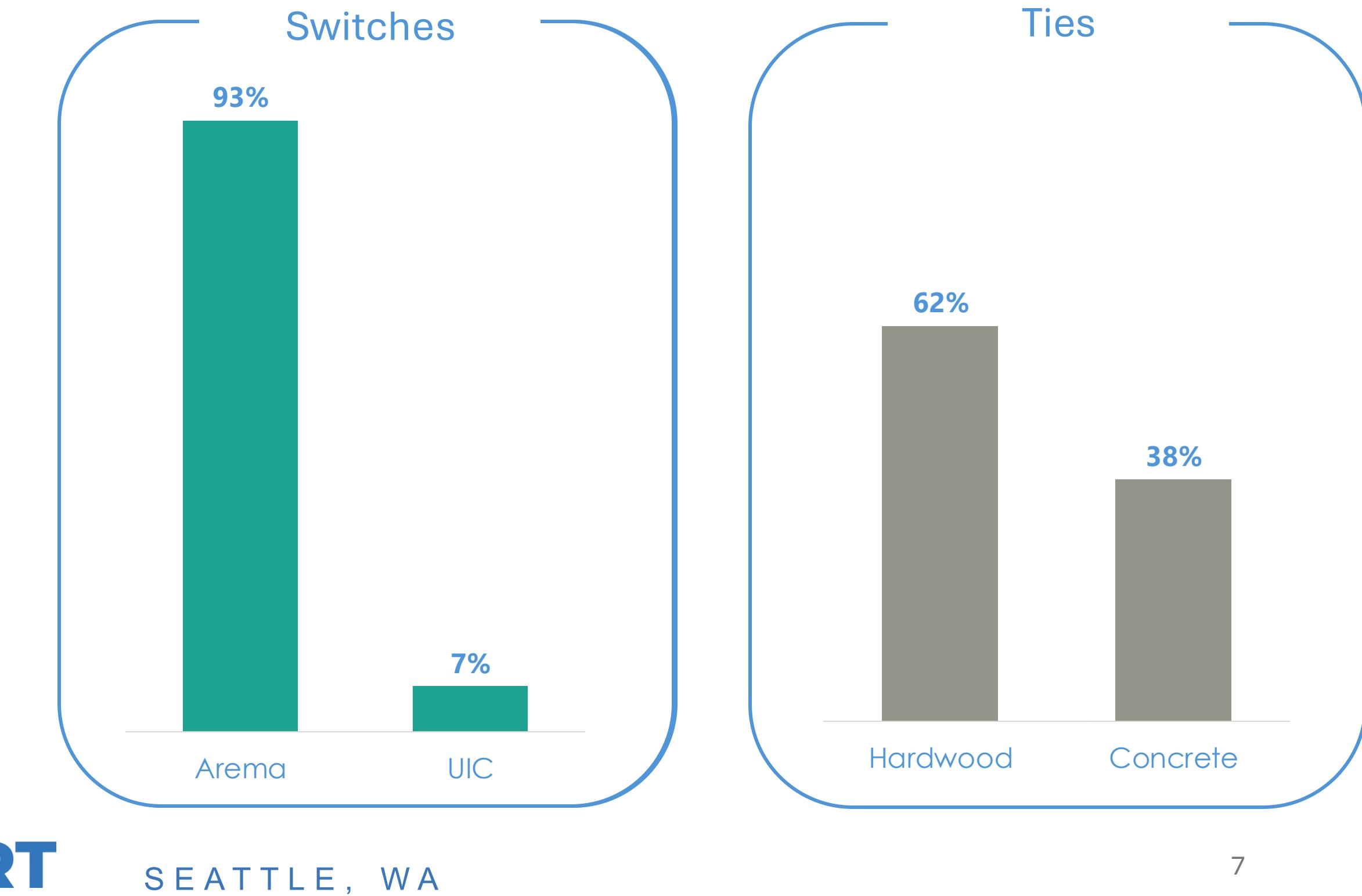
696

Travels
per day

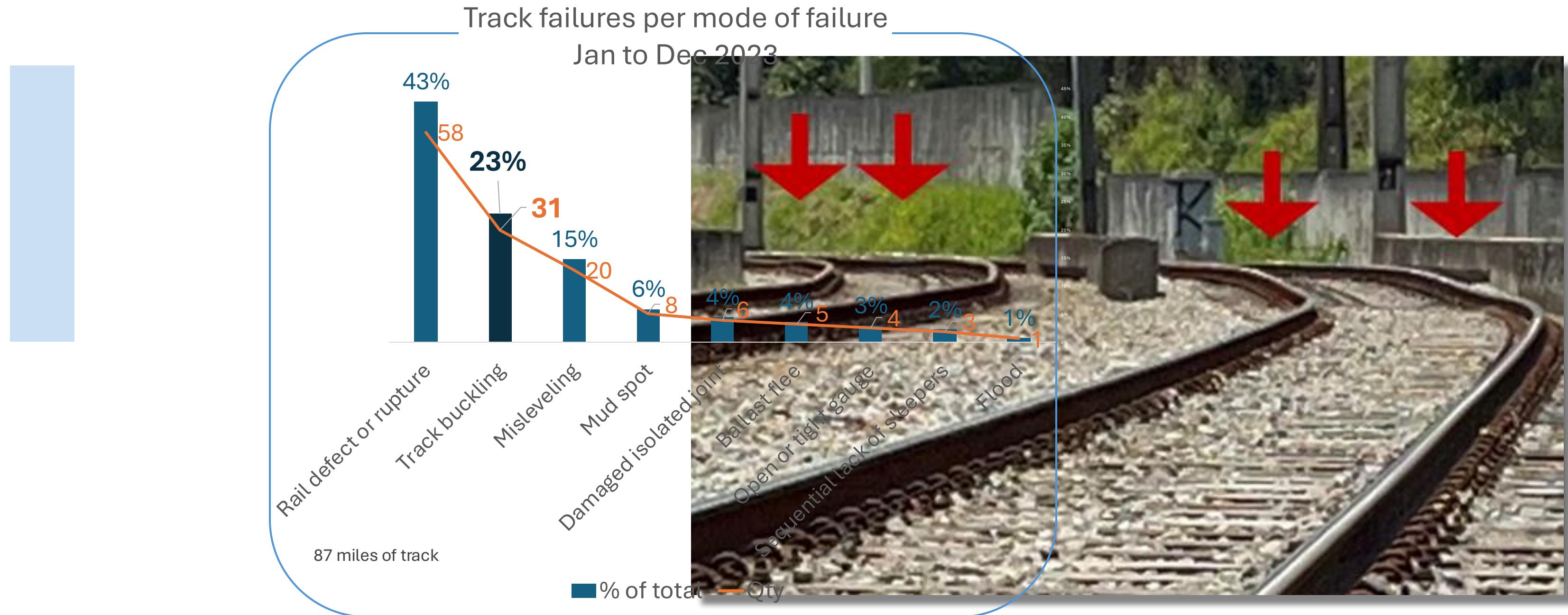




Rail infrastructure



Track failures at VM89

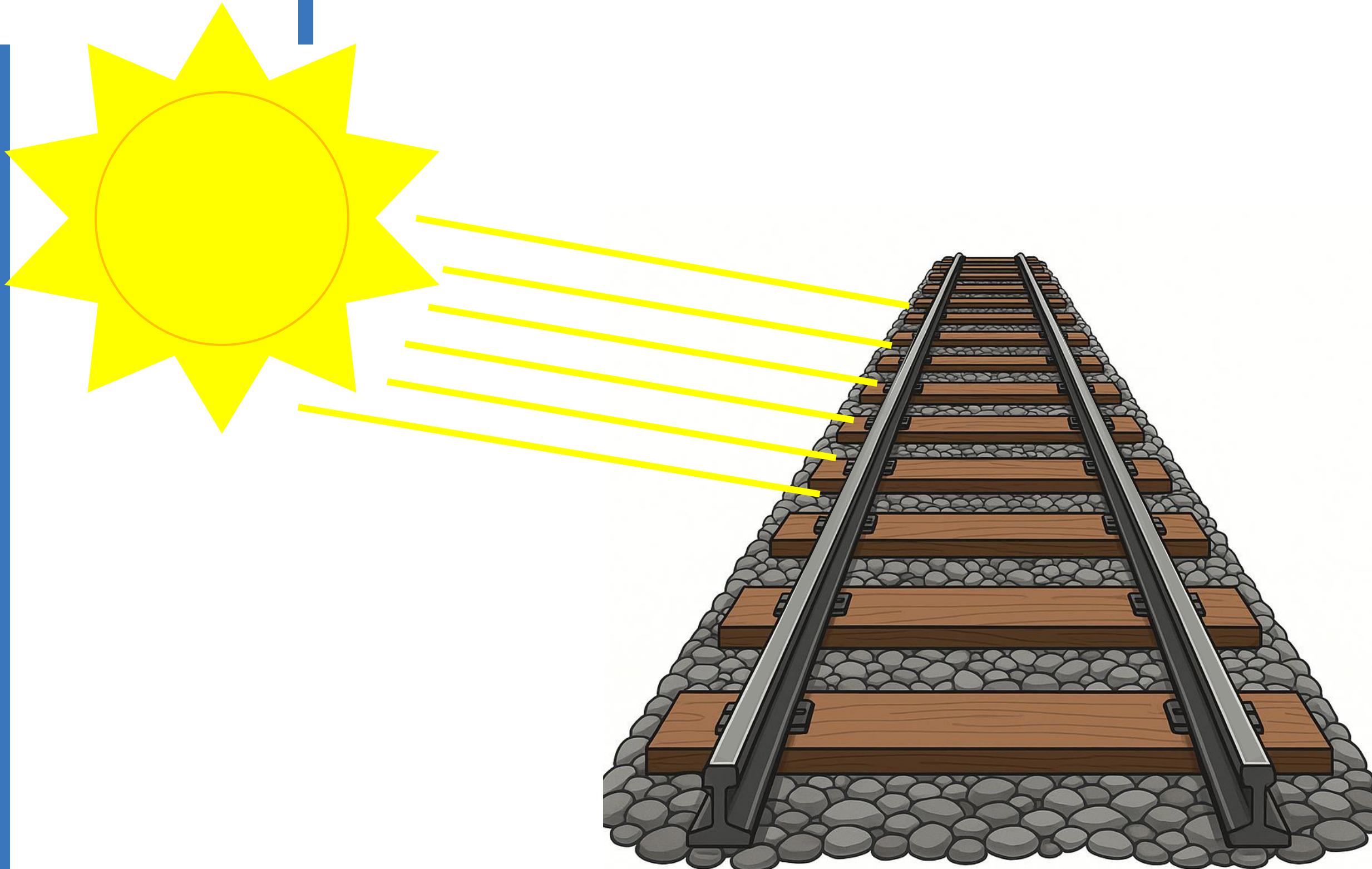




Créditos: Jovem Pan

<https://jovempan.com.br/noticias/brasil/noticias/falha-no-metro-de-sao-paulo-afeta-operacao-na-manha desta-quarta-feira.html>

Track buckling development



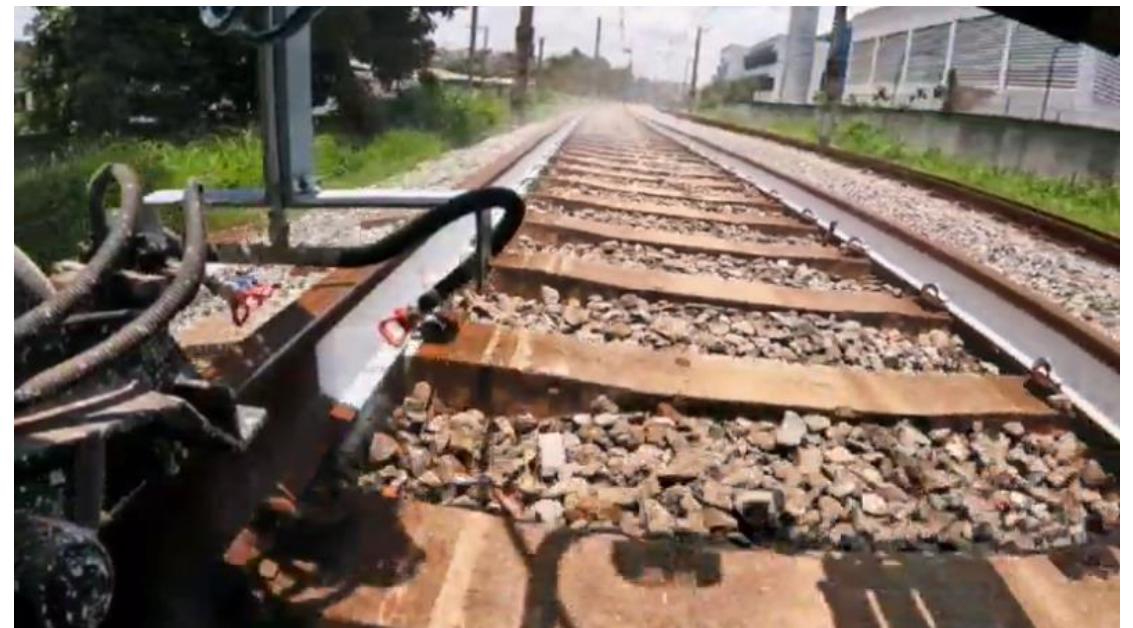
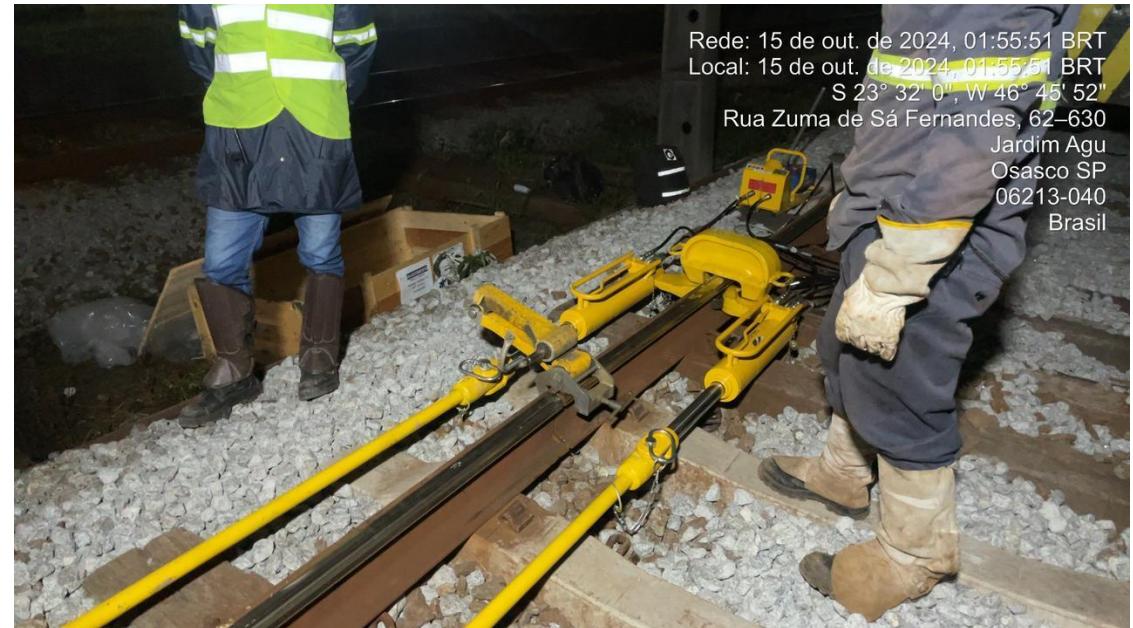


Créditos: G1 Globo.com

<https://g1.globo.com/rj/rio-de-janeiro/noticia/2025/02/20/trem-do-tamal-gui-animirim-descarrila-e-tomha-em-mageiro.shtml>



Engineering solutions applied



Instrutor do curso



15 anos de experiência em empresas e startups

Eduardo Gatti - UFSC

Pós-graduação em Desenvolvimento - PUC Minas

Avançado em Empreendedorismo - UFSC (Florianópolis)

Avançado em Gestão de Projetos - UFSC

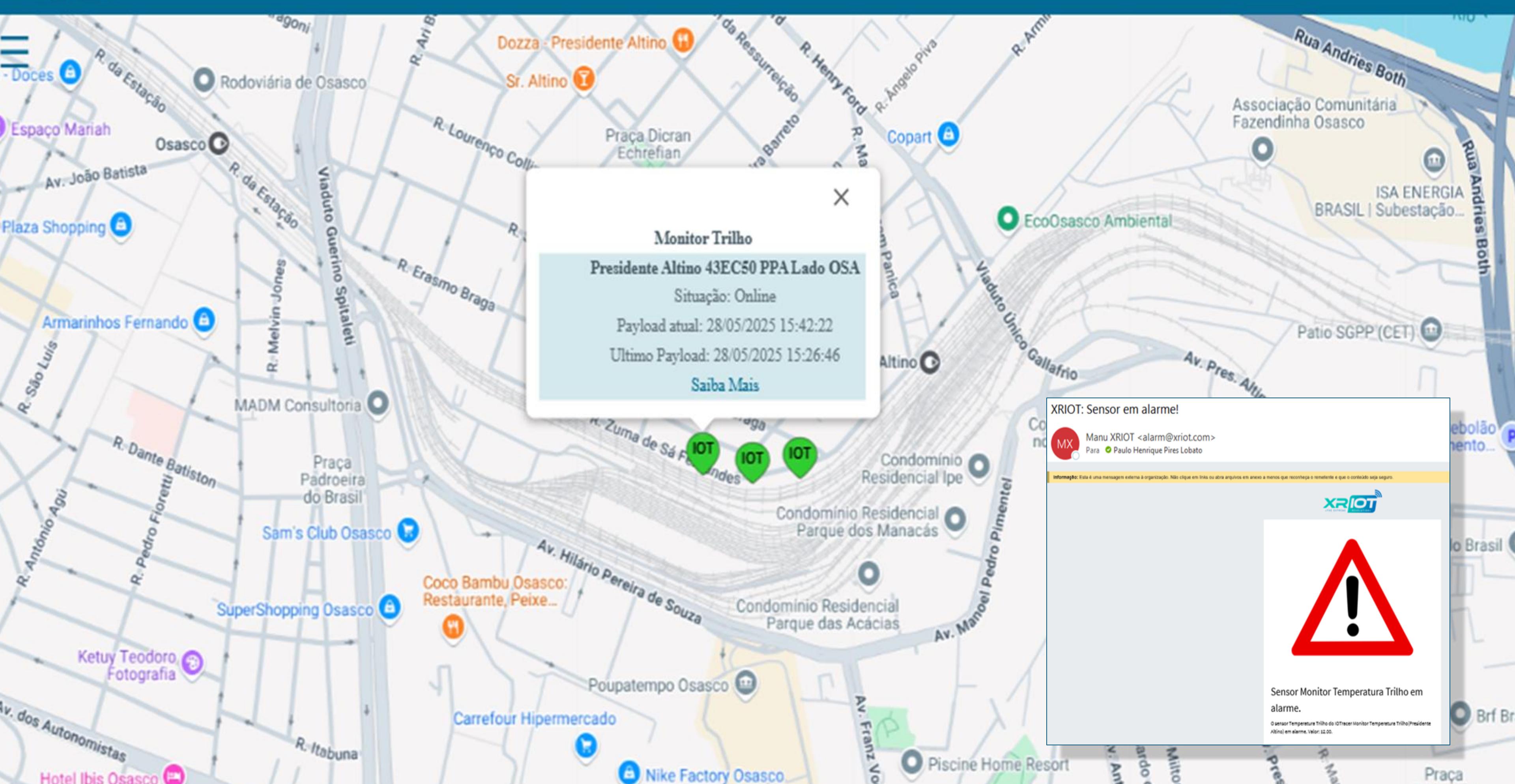
Lambrusco - UFSC em Santa Catarina - SC

Pós-graduação em Finanças e Administração Financeira - PUC/CBD

ESI em Gestão com Cursos em Universidade Americana - PEI







Rede: 15 de out. de 2024, 01:55:51 BRT
Local: 15 de out. de 2024, 01:55:51 BRT
S 23° 32' 0", W 46° 45' 52"
Rua Zuma de Sá Fernandes, 62–630
Jardim Agu
Osasco SP
06213-040
Brasil











Results

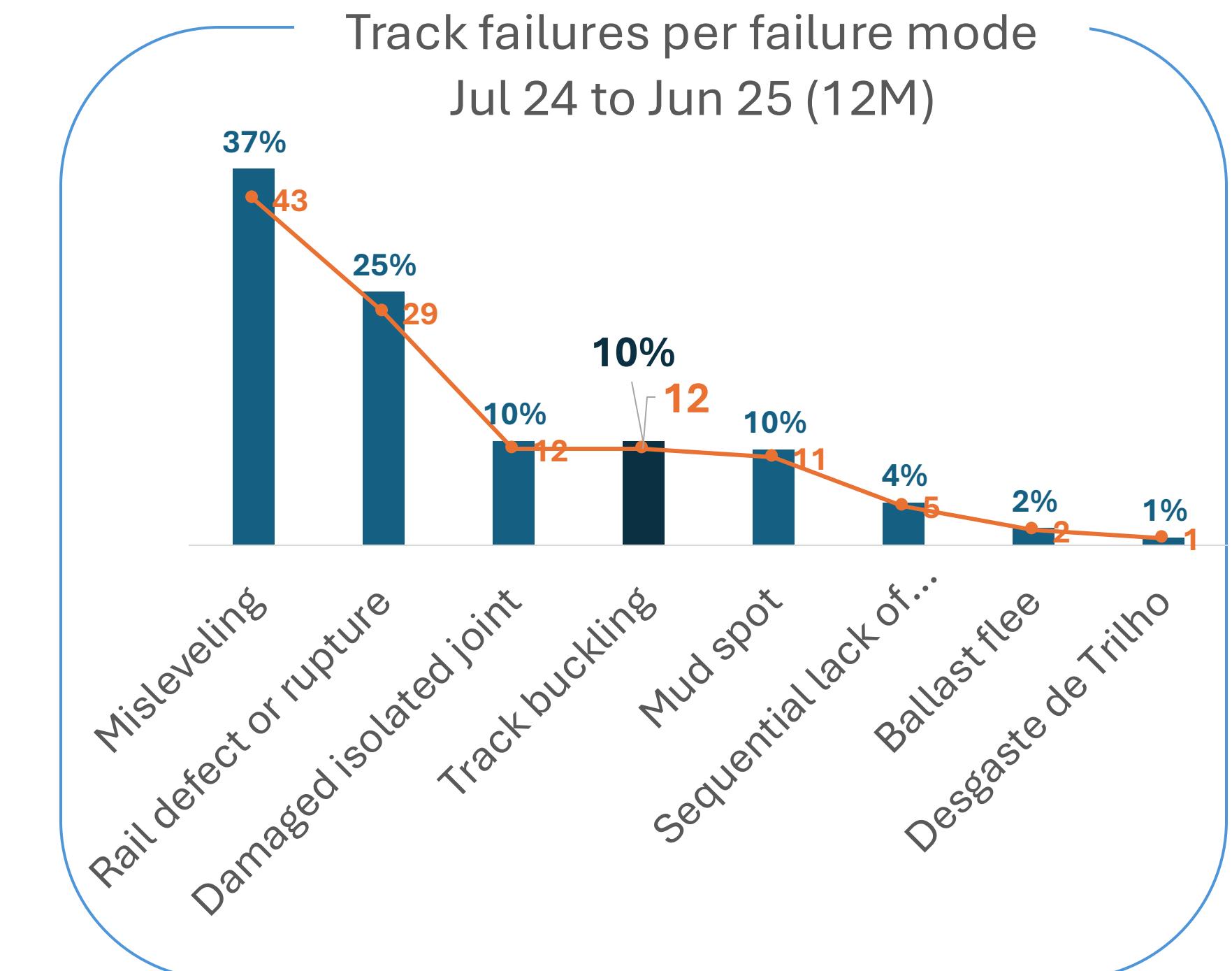
No rocket Science

and yet we have been successful in this Journey

Qty of track bucklings ↓61%
(31 -> 12)

% of track bucklings ↓56%
(23% -> 10%)

Qty of total failures ↓14%
(135 -> 116)





Lessons learned

What did we learn in this Journey?

To be successful in solving a problem with short budget we have to.....

Back to basics

Well implemented processes

Sustainability



CONNECT WITH ME ON

