

Enginyeria de l'Oci

Jornada de testimonis internacionals

30/11/2025

Presentació

Adrià Benito

Graduat en enginyeria mecànica

Enginyer / gestor de projecte

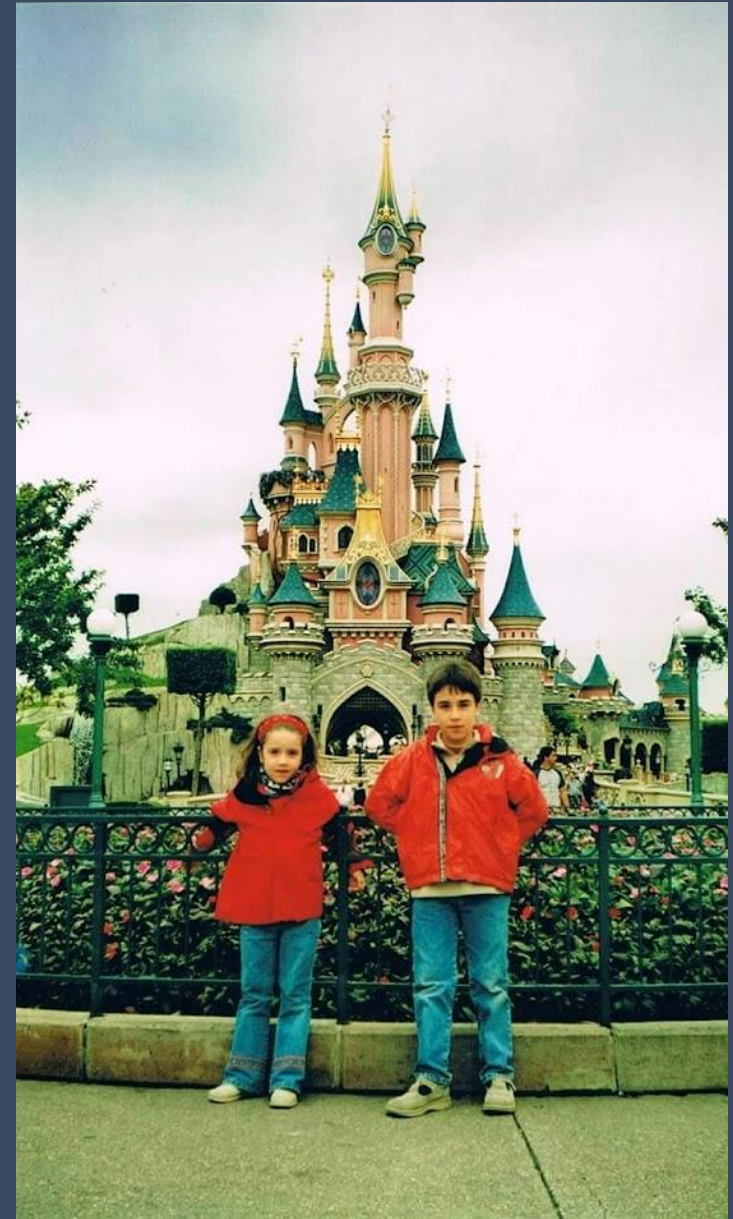
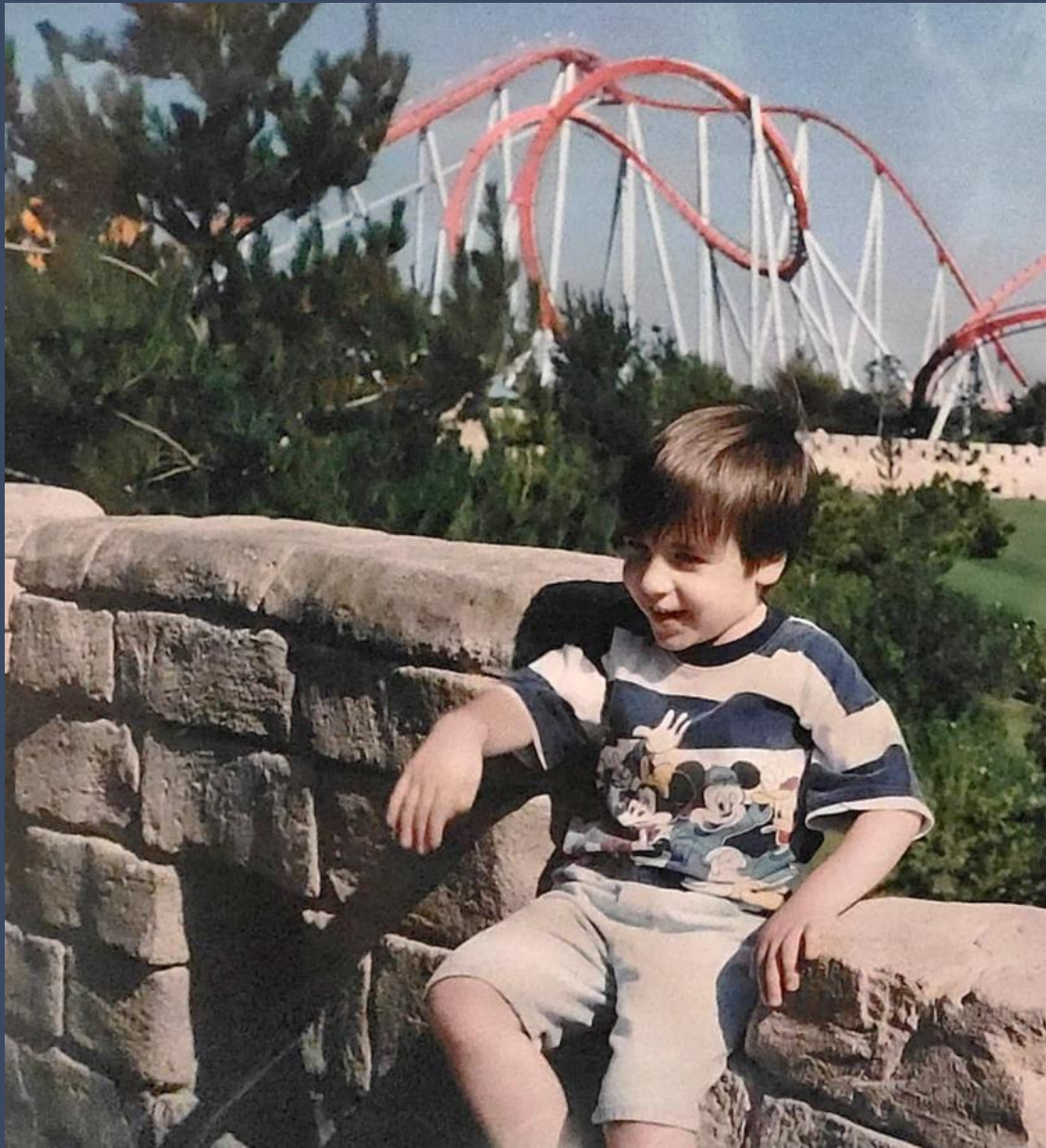
a INTAMIN Amusement Rides



1993

Nascut i crescut al Baix Penedès





2006

Furius Baco anunciat



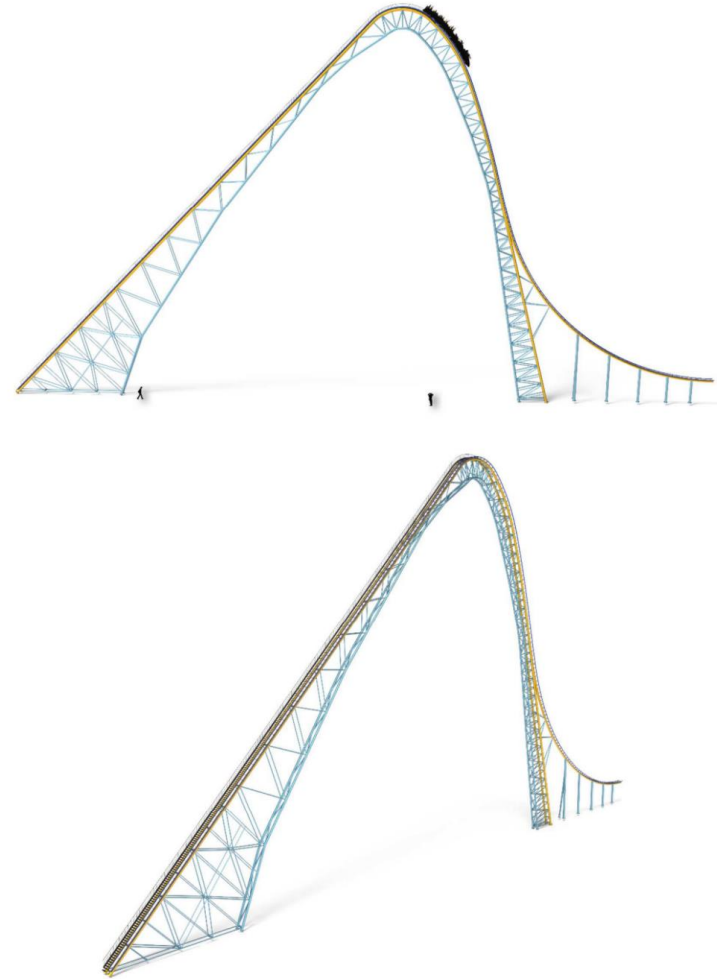


2011 - 2015

UPC

Grau en Enginyeria Mecànica

CAPÍTOL 6. VIABILITAT



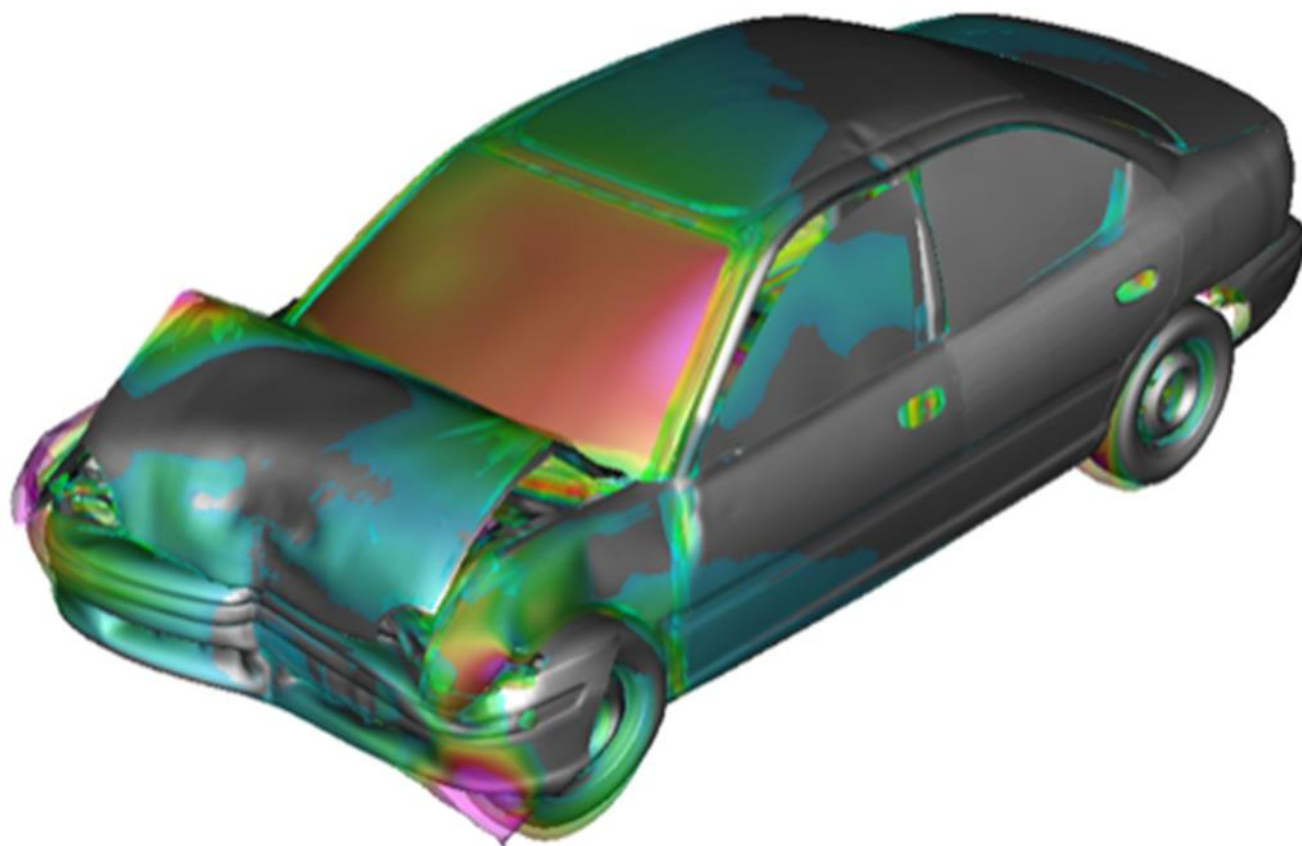
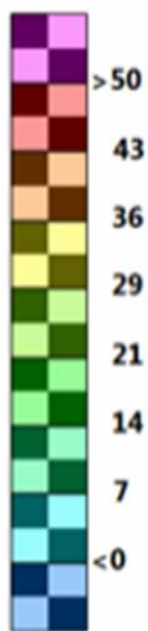
2015

IDIADA

Pràctiques i primera feina

Enginyer de seguretat passiva





2016

Mudança a Suíça

INTAMIN

Project Engineer Assistant

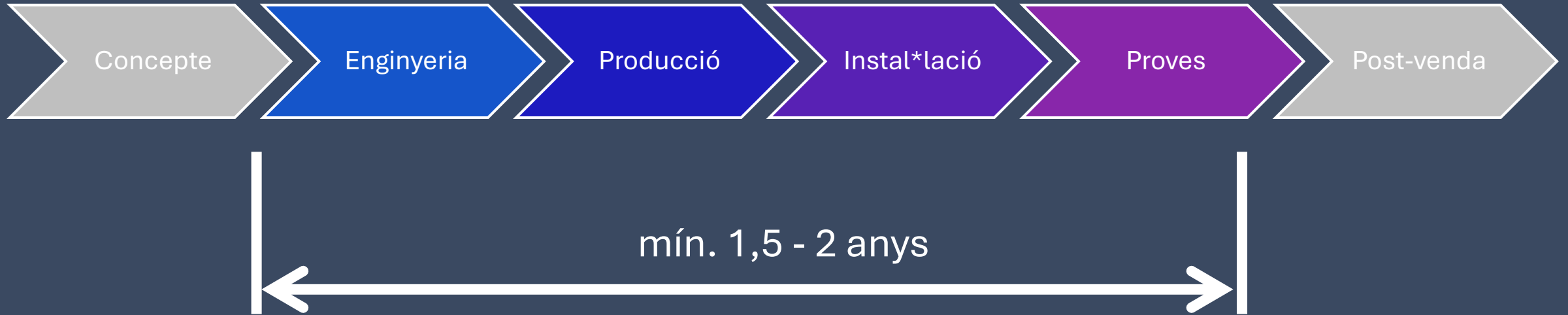
Project Engineer







Project management



Thunder Dolphin



Concepte

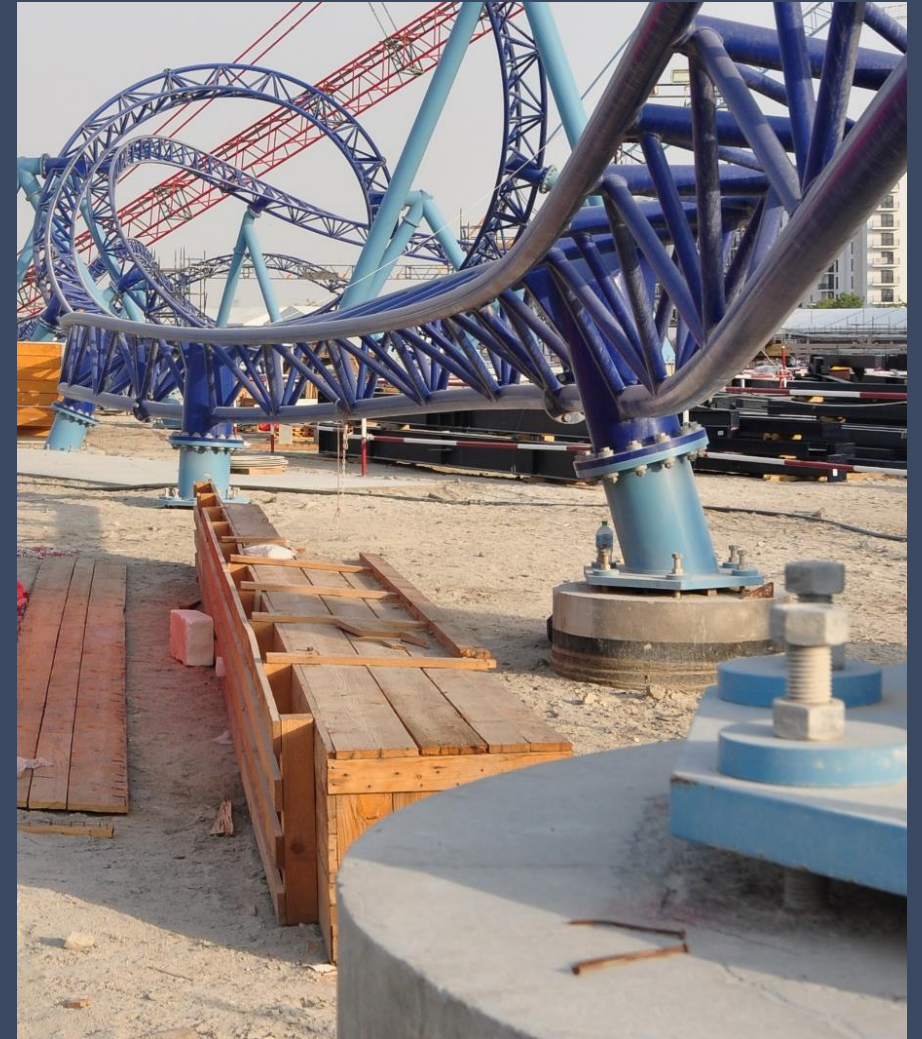
Enginyeria

Producció

Instal·lació

Proves

Manta



Concepte

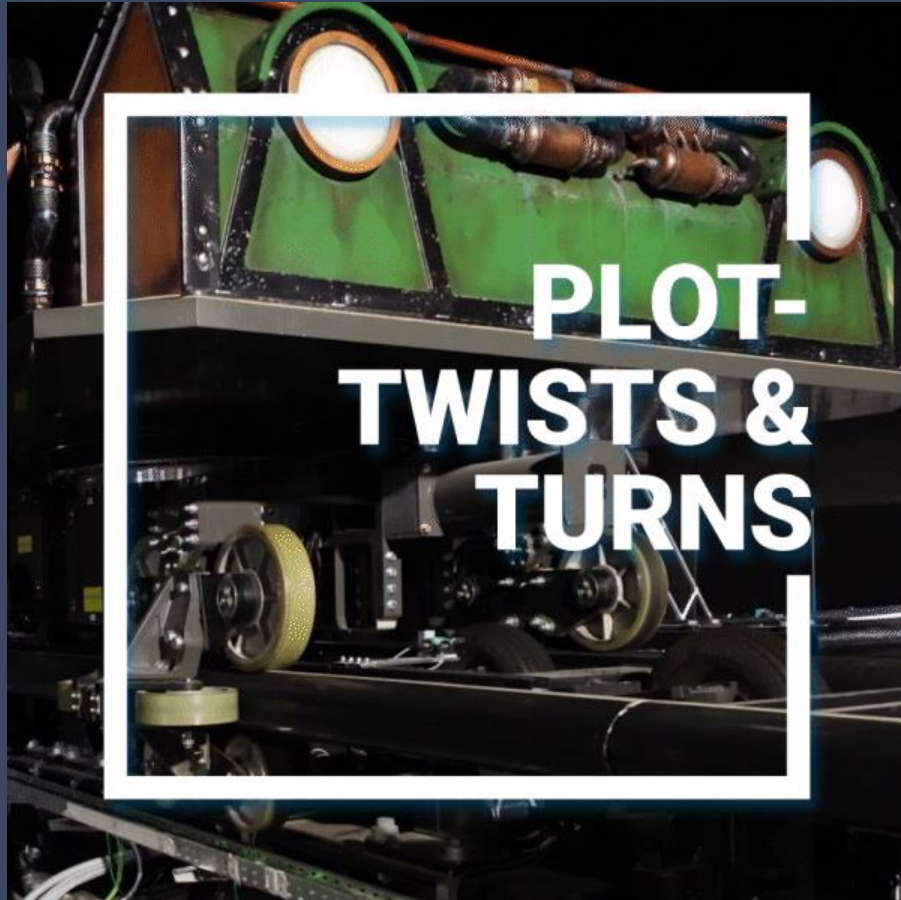
Enginyeria

Producció

Instal·lació

Proves

Uncharted



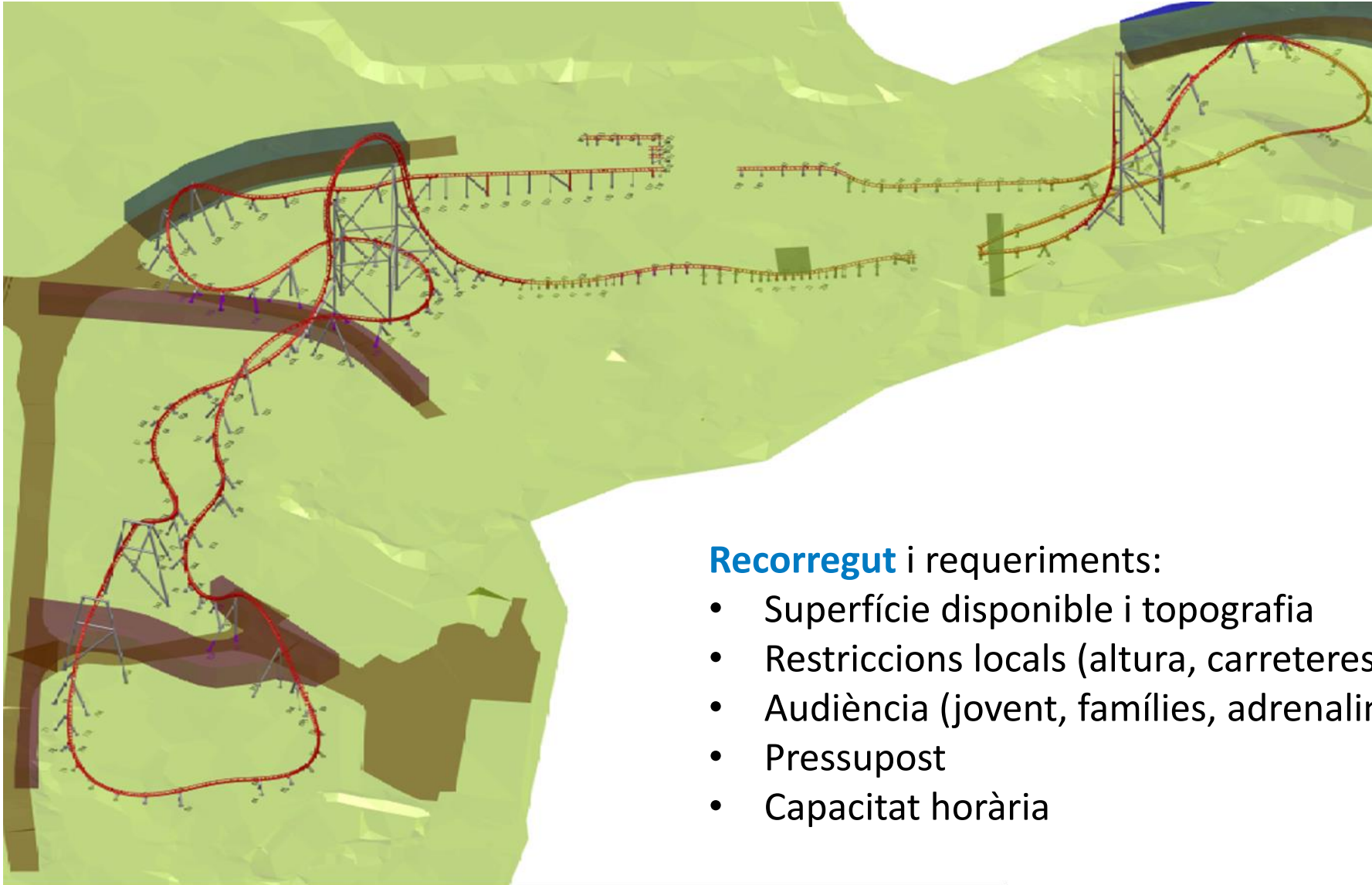
Concepte

Enginyeria

Producció

Instal·lació

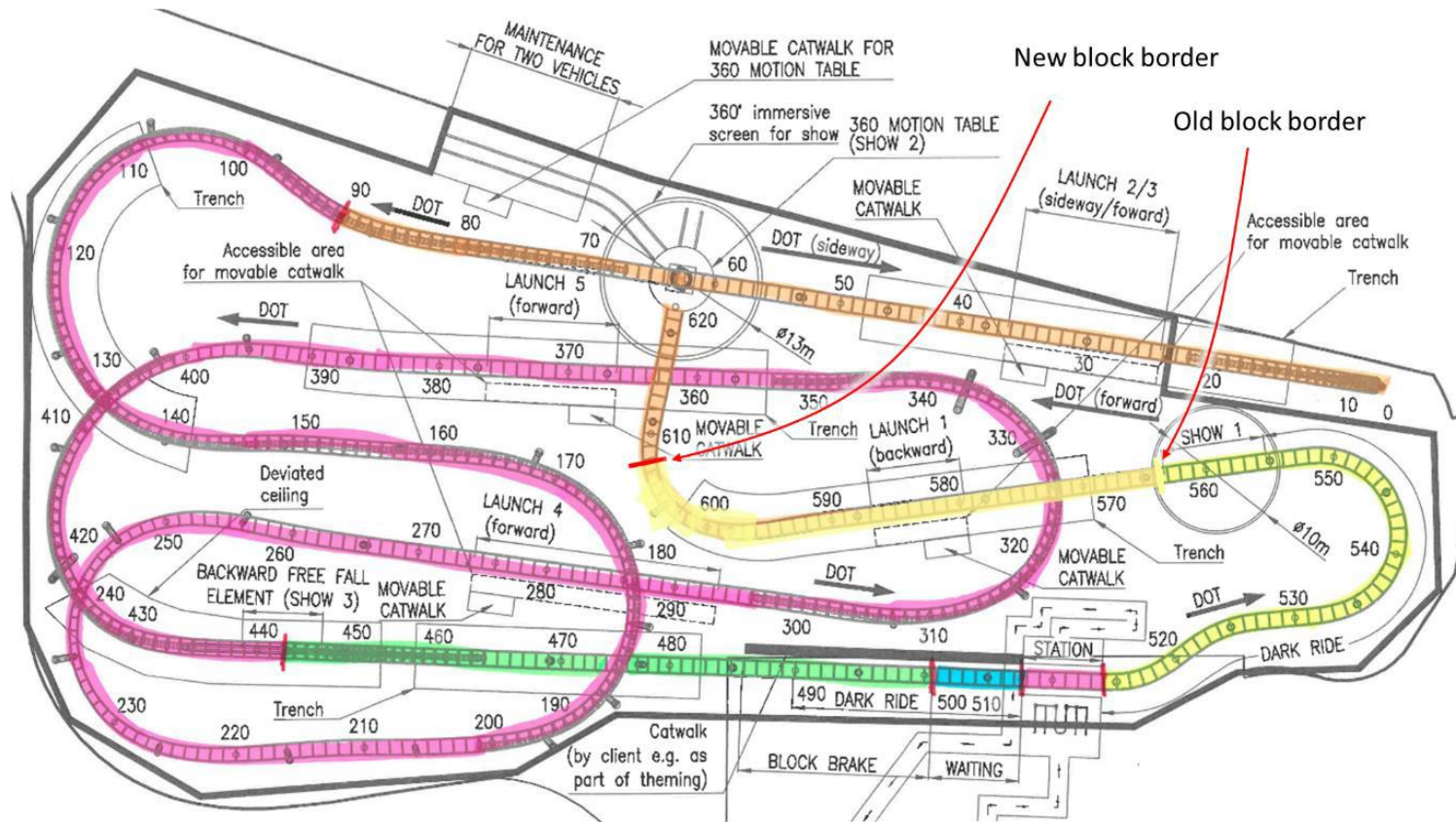
Proves



Recorregut i requeriments:

- Superfície disponible i topografia
- Restriccions locals (altura, carreteres, edificis, espai natural)
- Audiència (jovent, famílies, adrenalina)
- Pressupost
- Capacitat horària

Creació de documents tècnics, per exemple la **Teoria d'Operació...**



...o les **Especificacions Tècniques** i els **Manuals d'Usuari**



3.3 Environmental conditions

3.3.1 Temperature

Operating temperature	Outdoor
Minimum	-10°C
Maximum	+40°C
ΔT	50°C
Installation	+15°C

Table 3-5: Environmental conditions – Temperature.

3.3.4 Wind

Wind related data listed in this section is considered only for the design of the ride structural parts and not for the dynamic simulations of the ride.

The wind related data considered in the dynamic simulations is listed in Table 4-11.

Wind	Height [m]	Pressure (shape factor not included) [kN/m ²]	
		In-service	Storm
Wind loads (to be multiplied by the shape factor acc. to EN 1991-1-4)	0 → 10	0.529	0.695
	10 → 20	0.631	1.012
	20 → 35	0.721	1.154
	35 → 50	0.780	1.249
	50 → 55	0.795	1.274

Table 3-10: Environmental conditions – Wind.

9.9 Passenger measurement point

The reference point P at which acceleration measurements are taken according to the following figure.

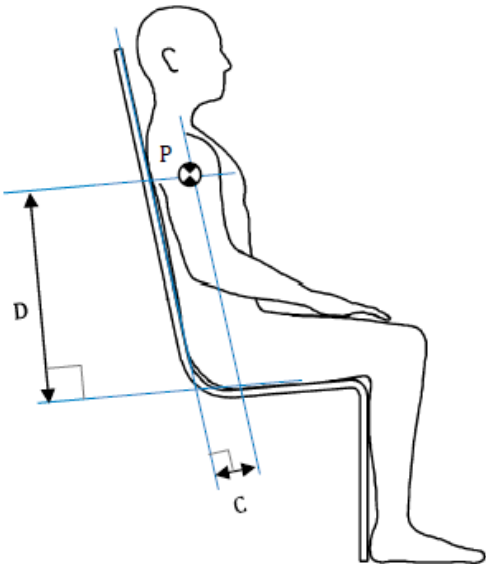


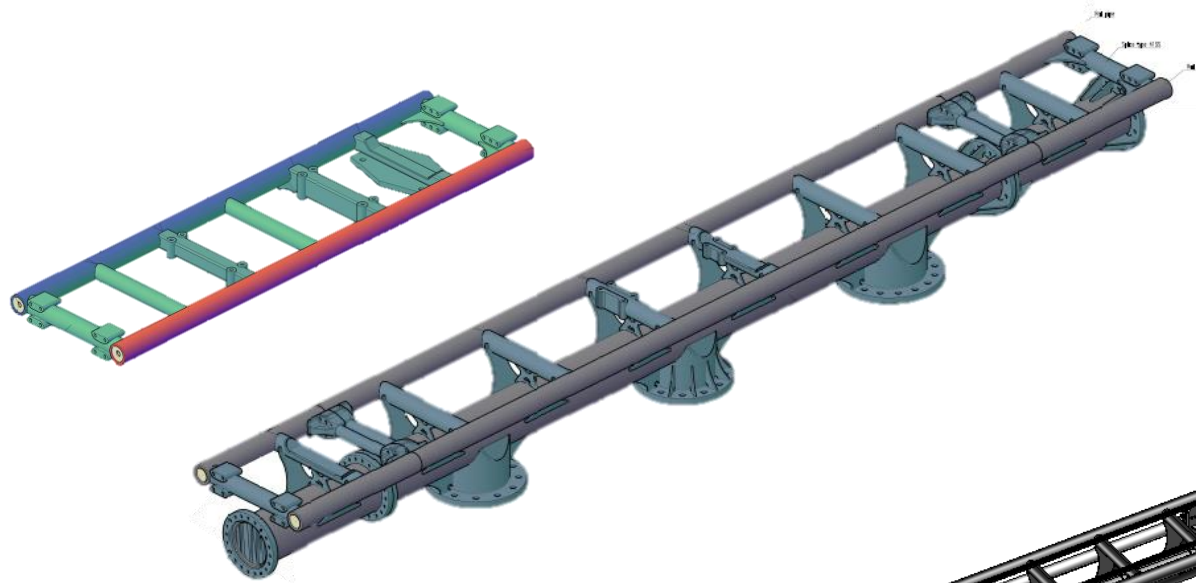
Figure 9-14: Vehicle – Passenger measurement point definition.

Passenger measurement point	C [mm]	D [mm]
EN 13814 / ASTM F2291 (refers to ASTM F2137)	100	600

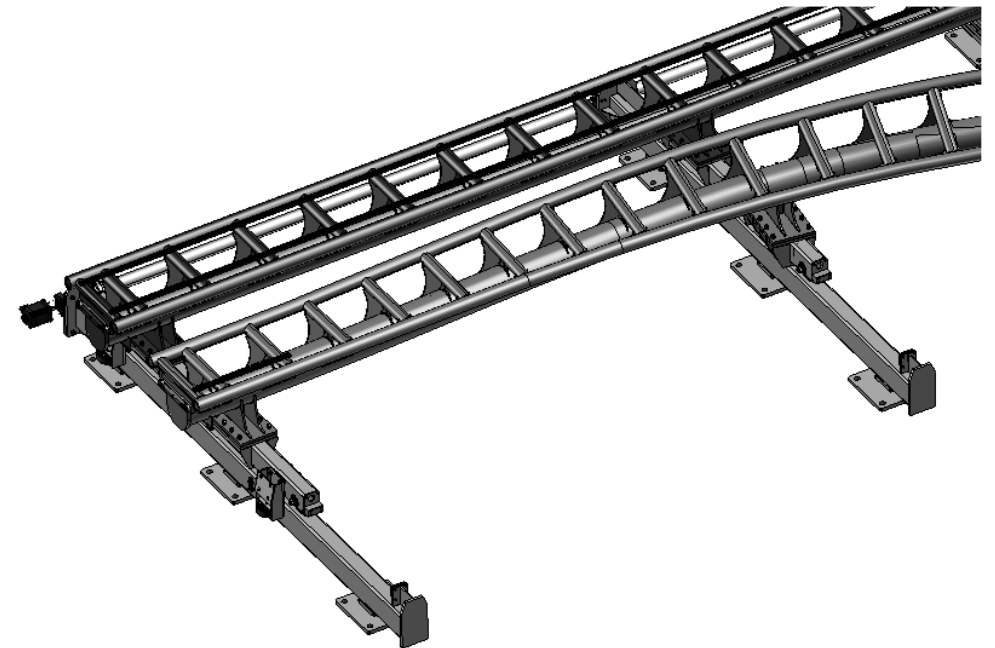
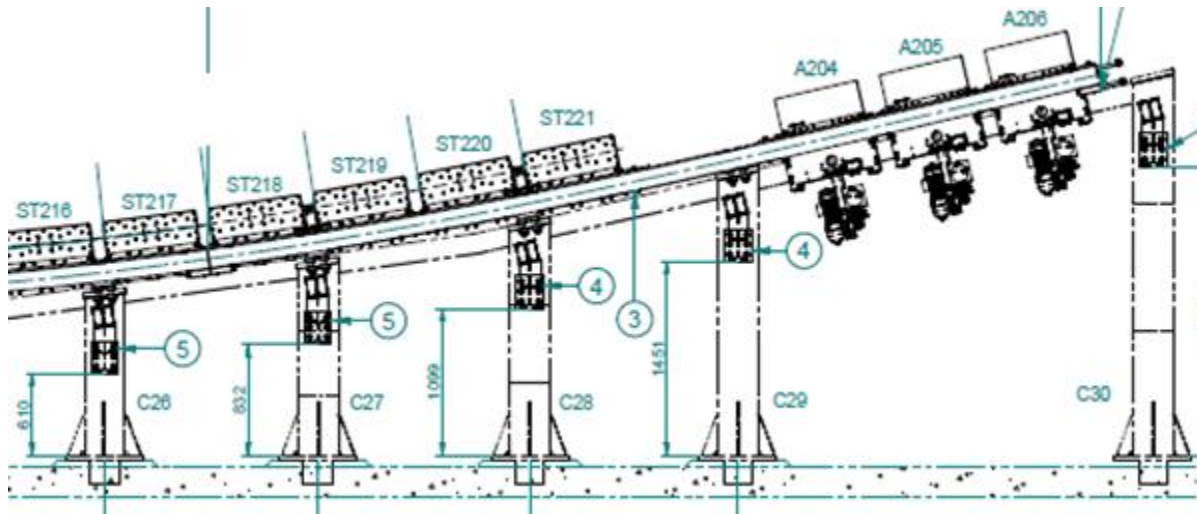
Table 9-12: Vehicle – Passenger measurement point.

Disseny de...

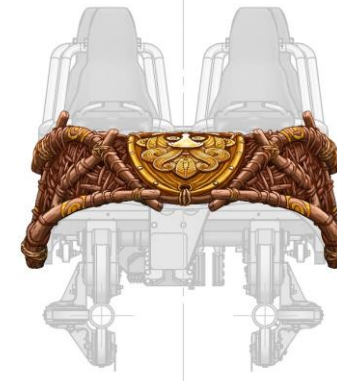
- Vies
- Elements especials



...i creació de dibuixos



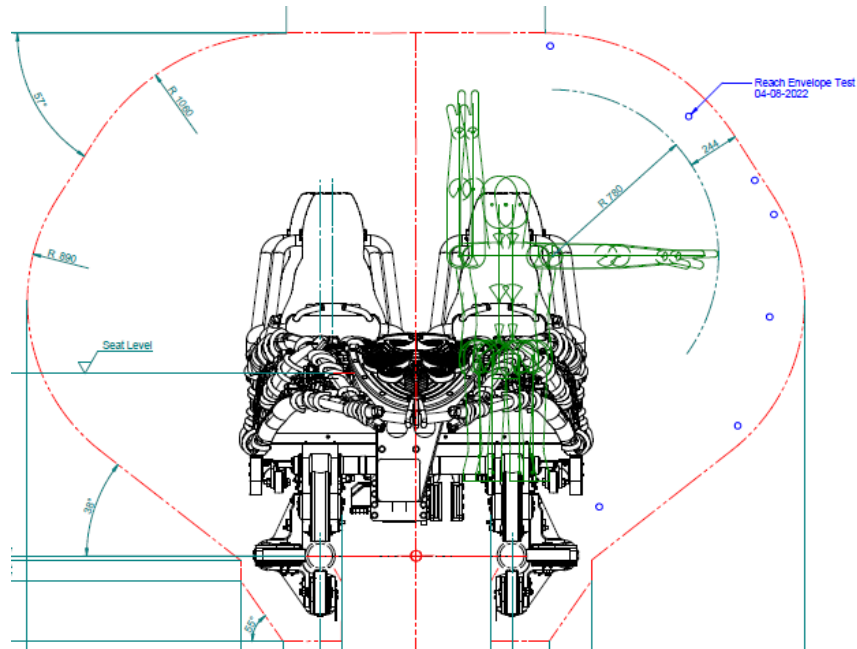
El **Vehicle / Tren** es dissenya d'acord al tipus d'atracció i concepte del client



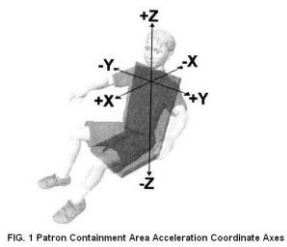




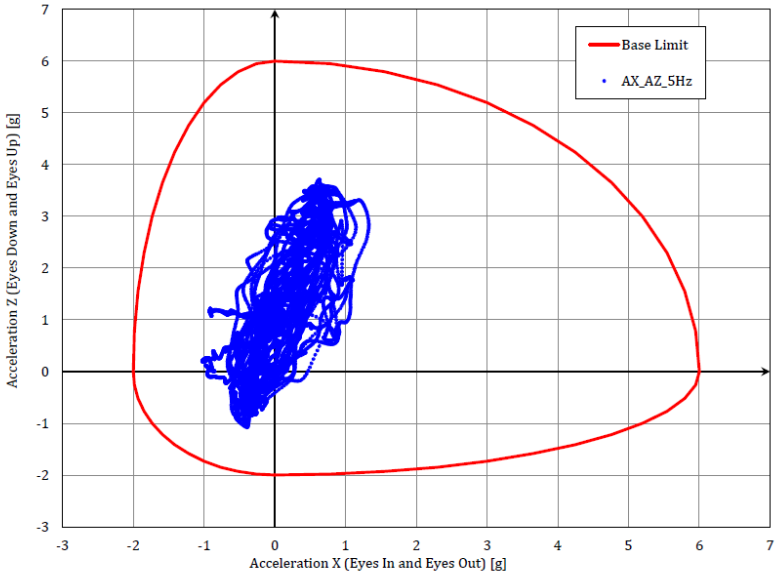
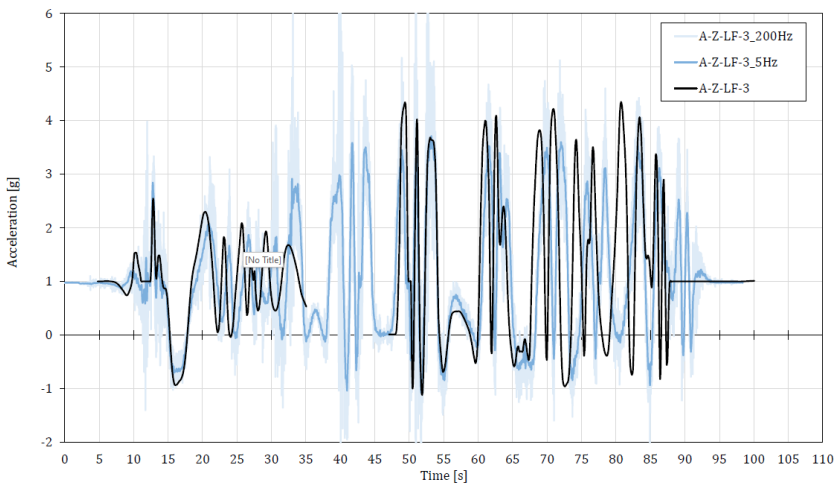








Passenger Z acceleration - Comparison (Simulation vs Measurement)





2020 - 2022

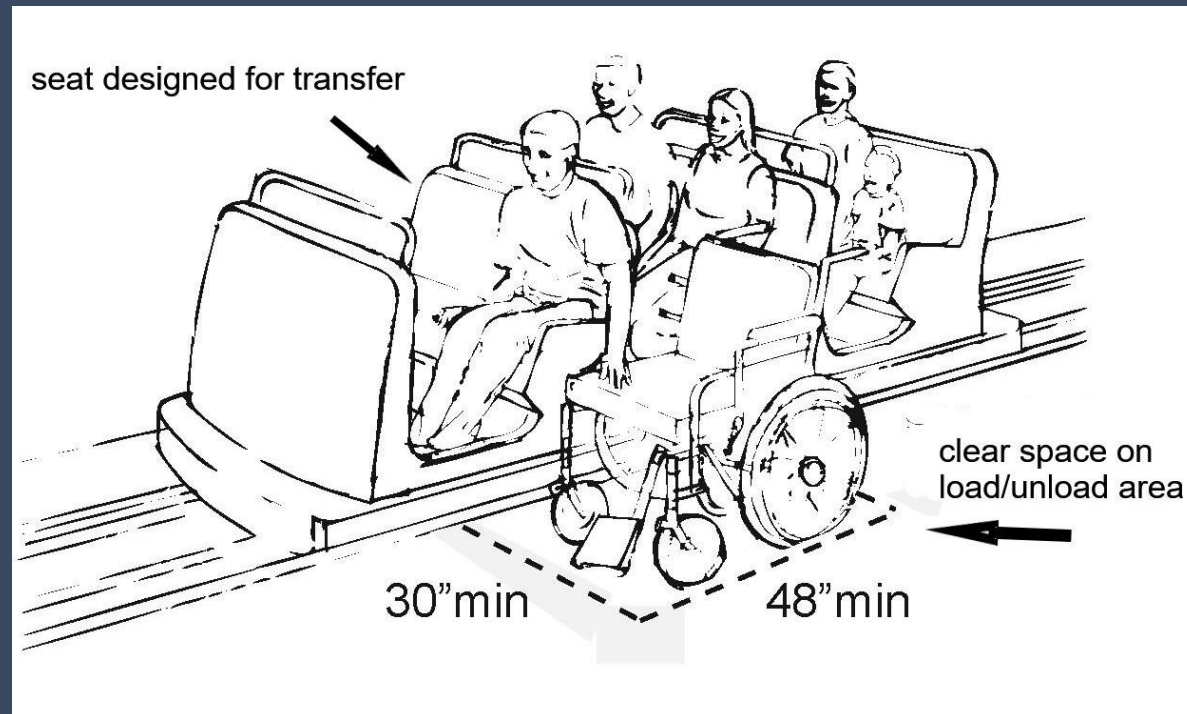
ETH Zurich

MAS in Management, Tech. and Econ.

Sostenibilitat en el sector



Futur en sostenibilitat



Imatge: inspectionsADA.com

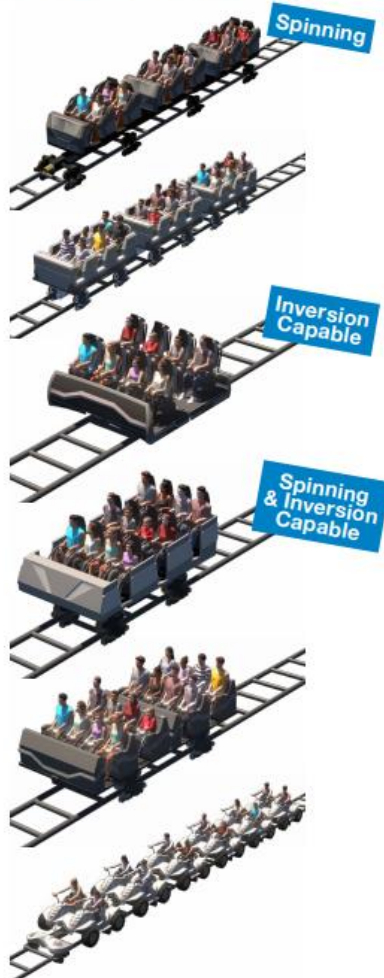
A Practical Guide to Improve Accessibility in the Attractions Industry

September 2024

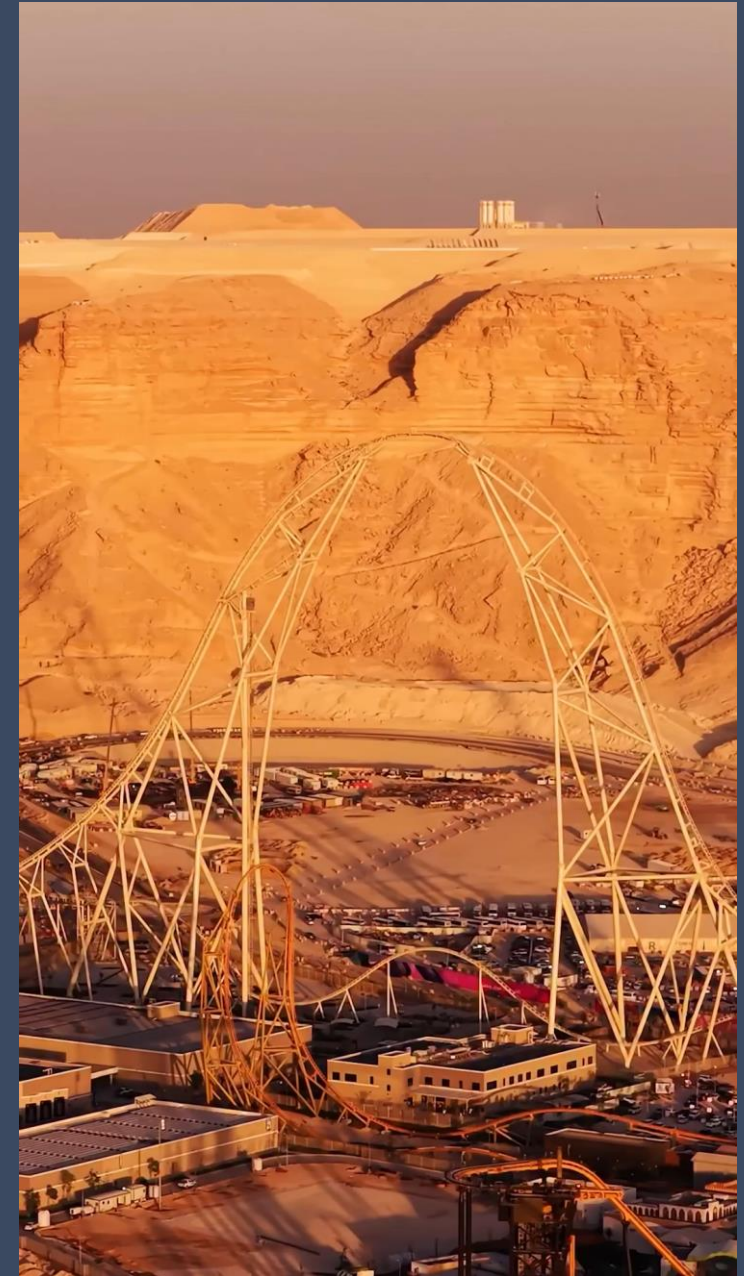
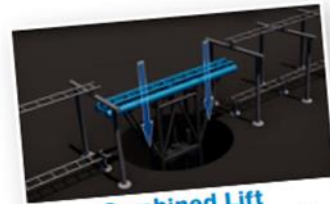


Futur en atraccions

Selection of Train Configurations



Selection of Special Track Elements



Connectem?

LinkedIn



Adrià Benito

Project Engineer @ INTAMIN

