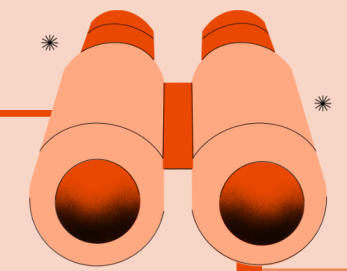




do you know

**what Hybrid
Train
Detection
is?**



**and what
are its
benefits?**


let's find out

Hybrid Train Detection

How does it work?



Legend

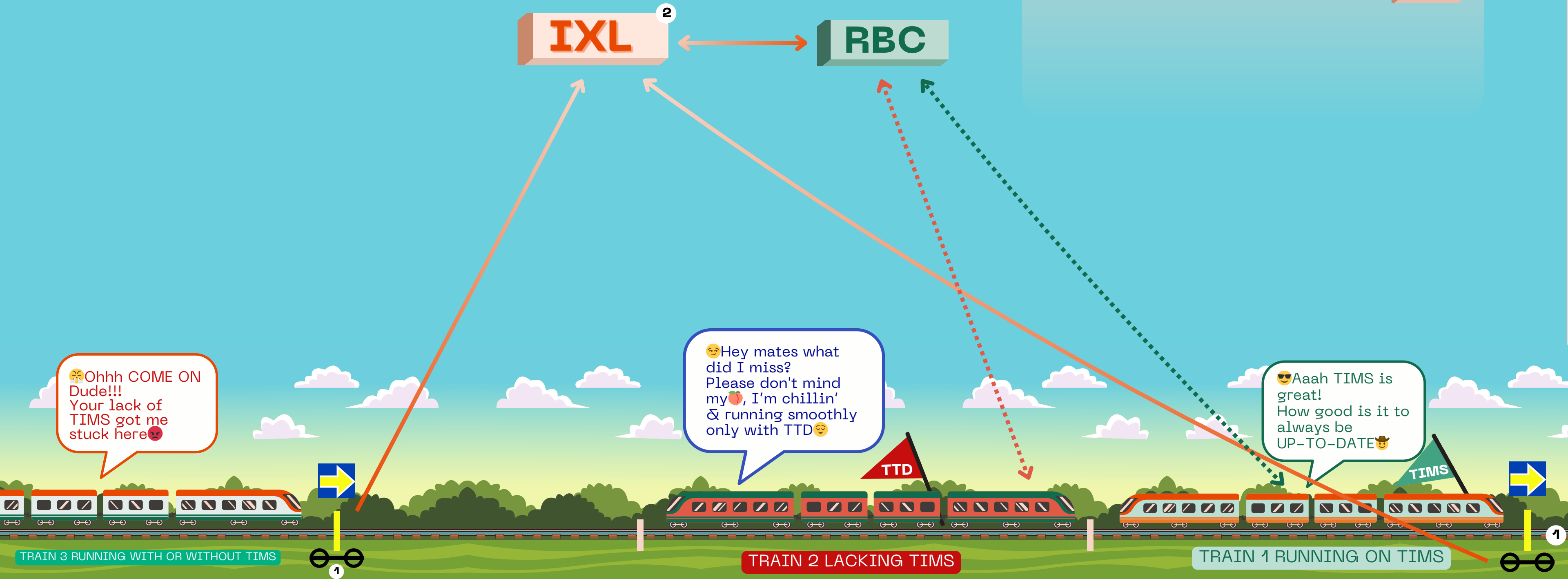
An **axel counter** determines if a specific track section is busy or free via sensors 

Train Integrity Monitoring System **TIMS**

Trackside Train Detection **TTD**

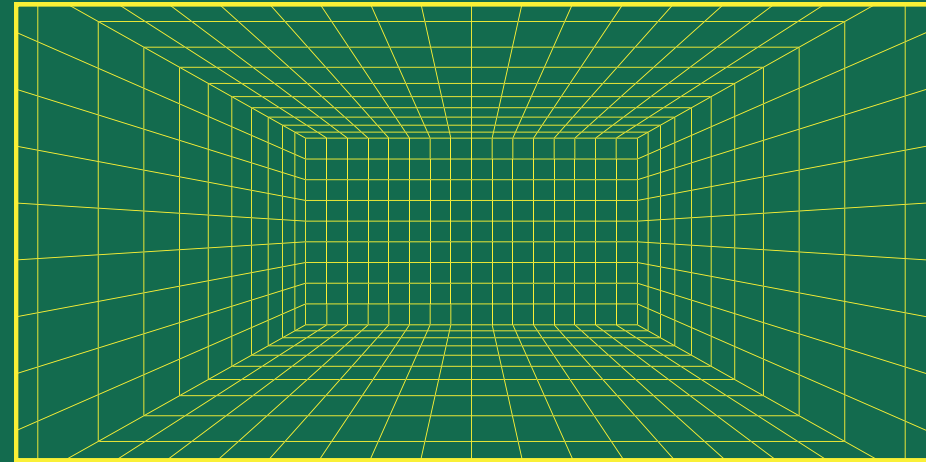
Radio Block Centre **RBC**

Interlocking **IXL**



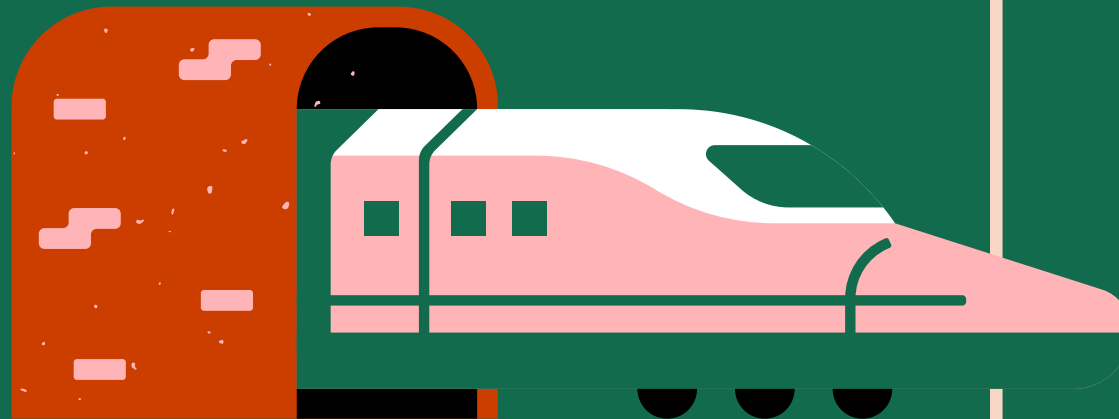
Benefits of Hybrid Train Detection (HTD)

H



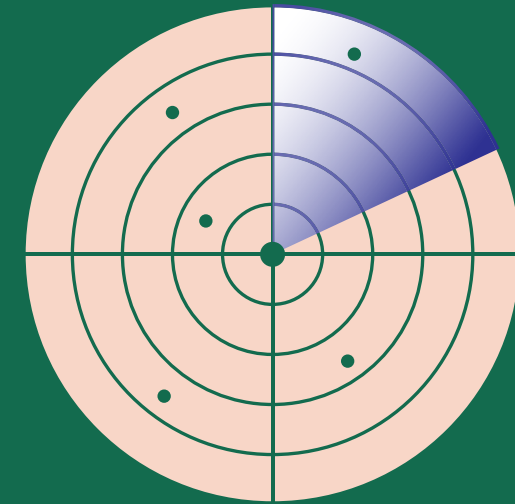
HTD can put more intelligence into the systems (onboard cab) and avoids investments in track signals

T



HTD can significantly drop infrastructure occupation & capacity consumption with respect to legacy signalling systems

D



OPTIMISE LIFE COST CYCLE