Star Rating for Designs Web App

James Bradford
Global Product Director, iRAP
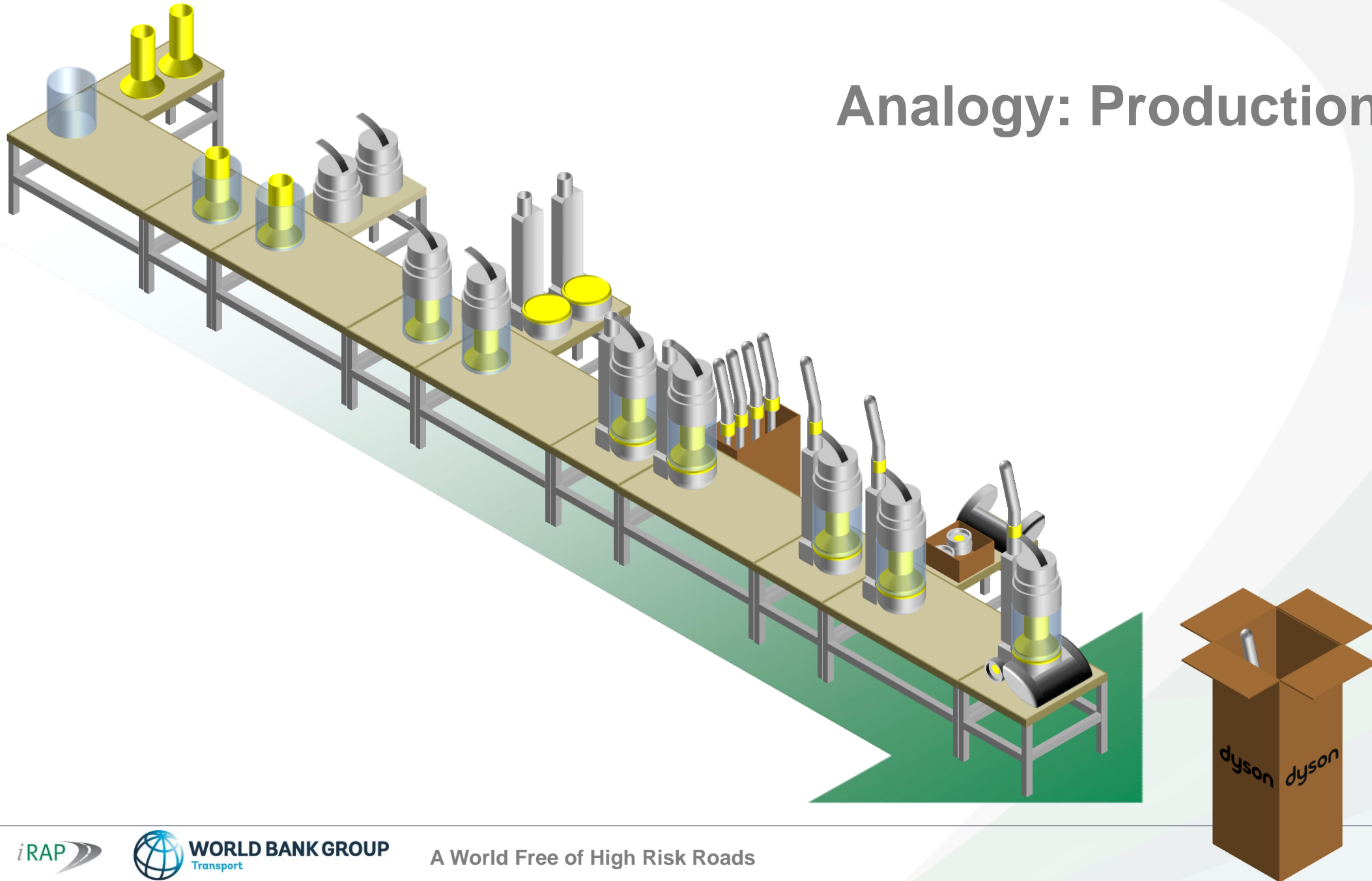
WORLD BANK GROUP
Transport

iRAP

www.irap.org

iRAP Star Rating Process

Existing road data collection | ViDA

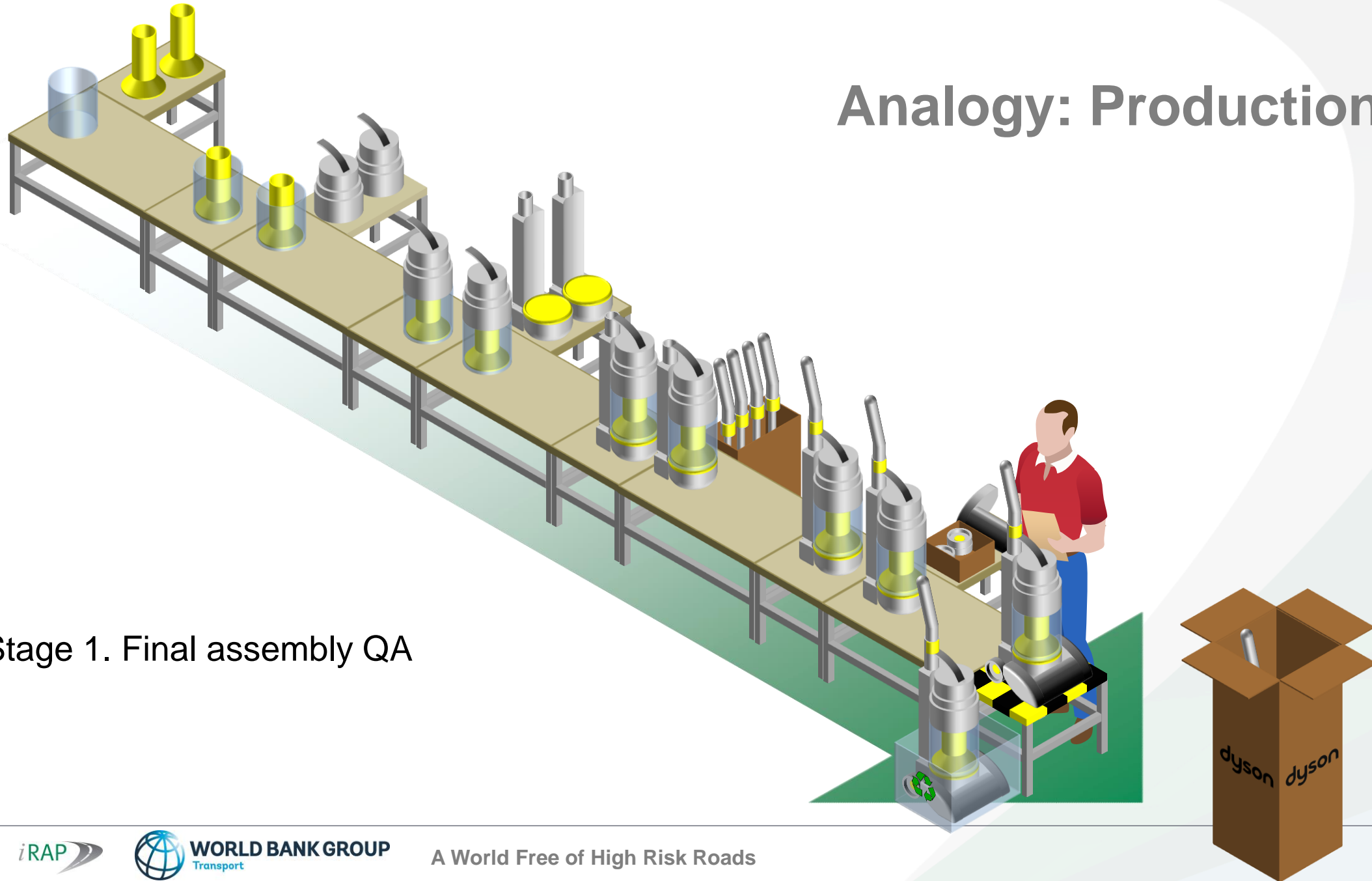Road Survey → Road coding → Data preparation → Processing → Star Ratings → Investment plan
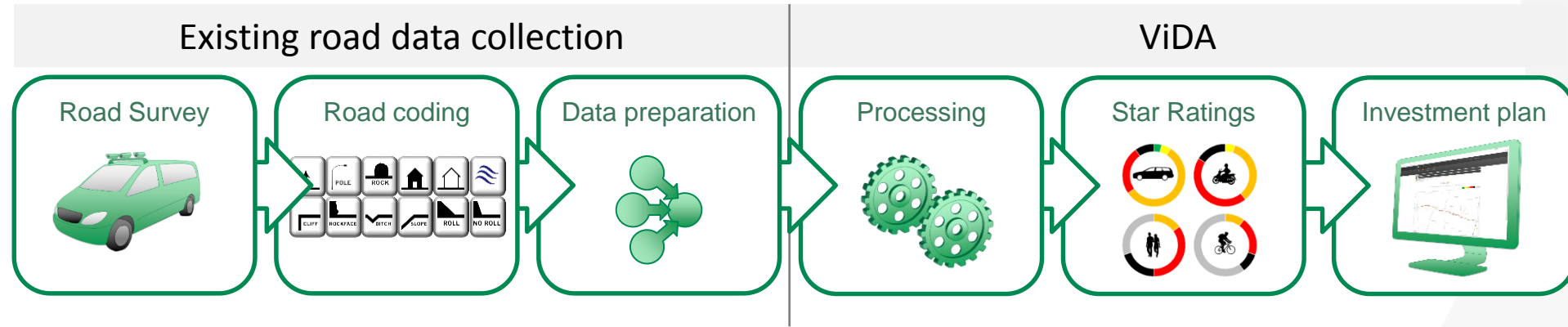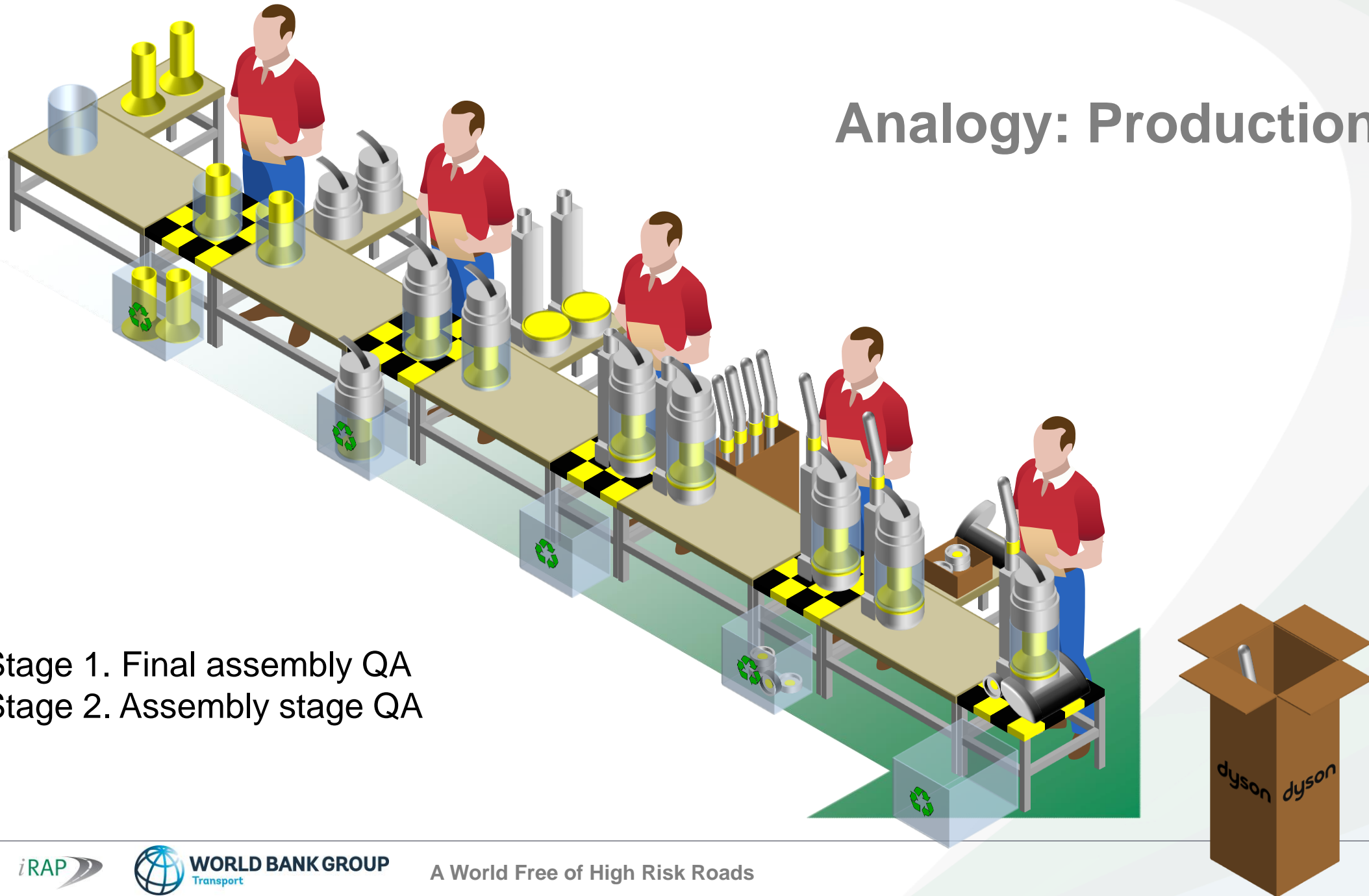
Analogy: Production line

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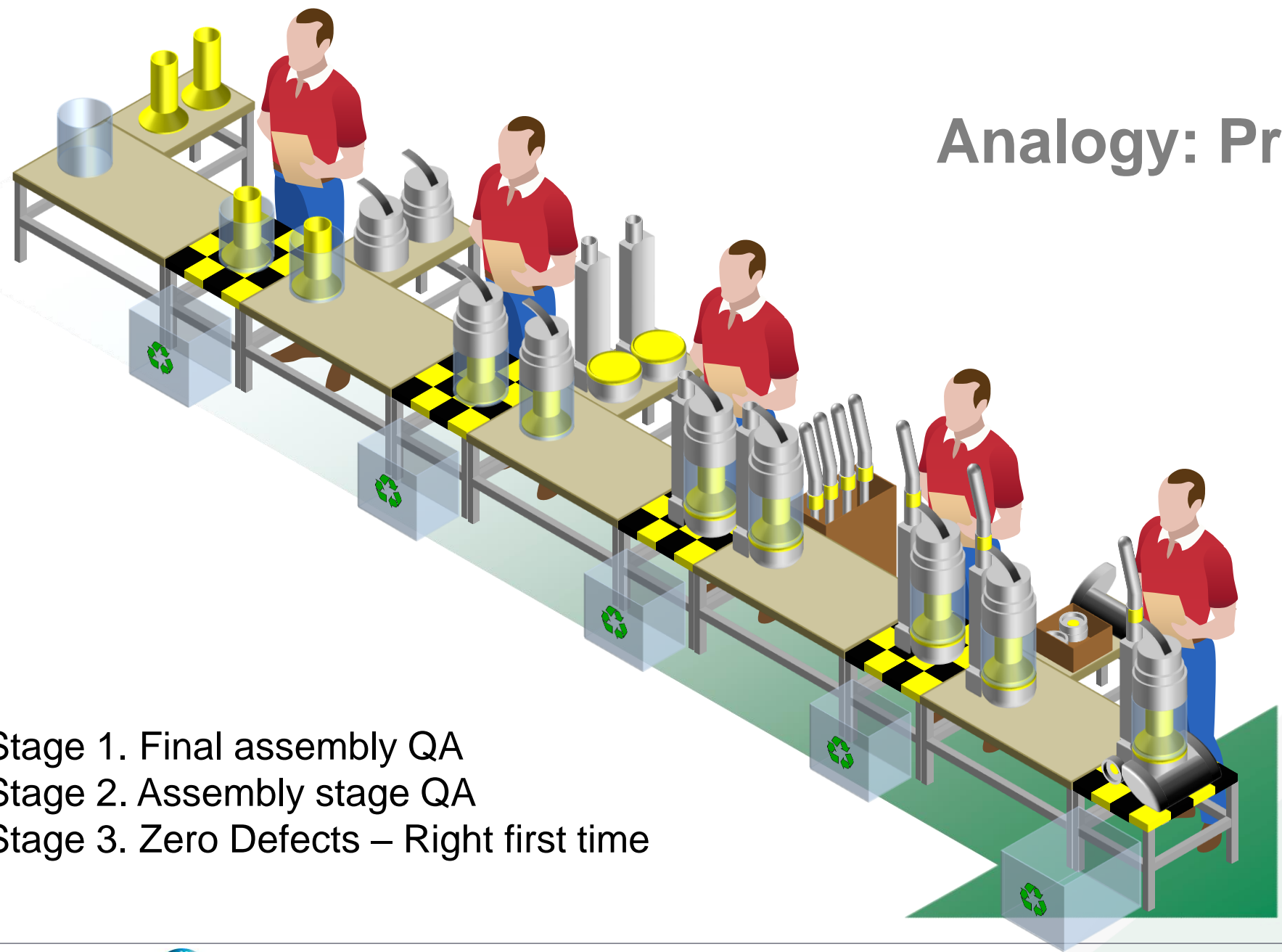
Stage 1. Final assembly QA

Analogy: Production line

Stage 1. Final assembly QA
Stage 2. Assembly stage QA

Analogy: Production line

Stage 1. Final assembly QA
Stage 2. Assembly stage QA
Stage 3. Zero Defects – Right first time

UN Global Road Safety Performance Targets

Target 1: By 2020, all countries establish a comprehensive multisectoral national road safety action plan with time-bound targets.

Target 2: By 2030, all countries accede to one or more of the core road safety-related UN legal instruments.

Target 3: By 2030, all new roads achieve technical standards for all road users that take into account road safety, or meet a three star rating or better.

Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.

Target 5: By 2030, 100% of new (defined as produced, sold or imported) and used vehicles meet high quality safety standards, such as the recommended priority UN Regulations, Global Technical Regulations, or equivalent recognized national performance requirements.

Target 6: By 2030, halve the proportion of vehicles travelling over the posted speed limit and achieve a reduction in speed-related injuries and fatalities.

Target 7: By 2030, increase the proportion of motorcycle riders correctly using standard helmets to close to 100%.

Target 8: By 2030, increase the proportion of motor vehicle occupants using safety belts or standard child restraint systems to close to 100%.

Target 9: By 2030, halve the number of road traffic injuries and fatalities related to drivers using alcohol, and/or achieve a reduction in those related to other psychoactive substances.

Target 10: By 2030, all countries have national laws to restrict or prohibit the use of mobile phones while driving.

Target 11: By 2030, all countries to enact regulation for driving time and rest periods for professional drivers, and/or accede to international/regional regulation in this area.

Target 12: By 2030, all countries establish and achieve national targets in order to minimize the time interval between road traffic crash and the provision of first professional emergency care.

PILLAR 1: Road safety management
PILLAR 2: Safer roads and mobility
PILLAR 3: Safe vehicles
PILLAR 4: Safe road users
PILLAR 5: Post-crash response

Following the request of the United Nations General Assembly, on November 22, 2017 Member States reached consensus on 12 global road safety performance targets. For more information: http://www.who.int/violence_injury_prevention/road_traffic/road-safety-targets/en/
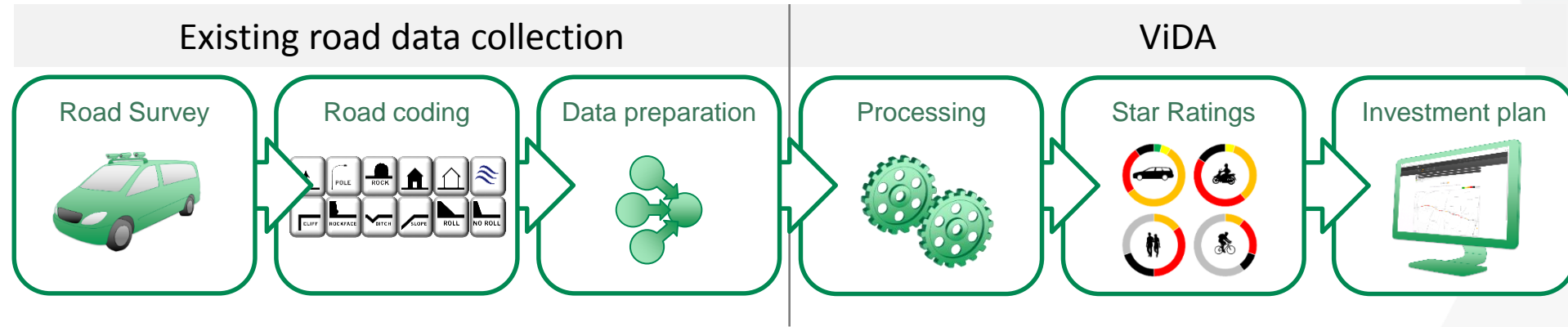
TARGET 3 2030

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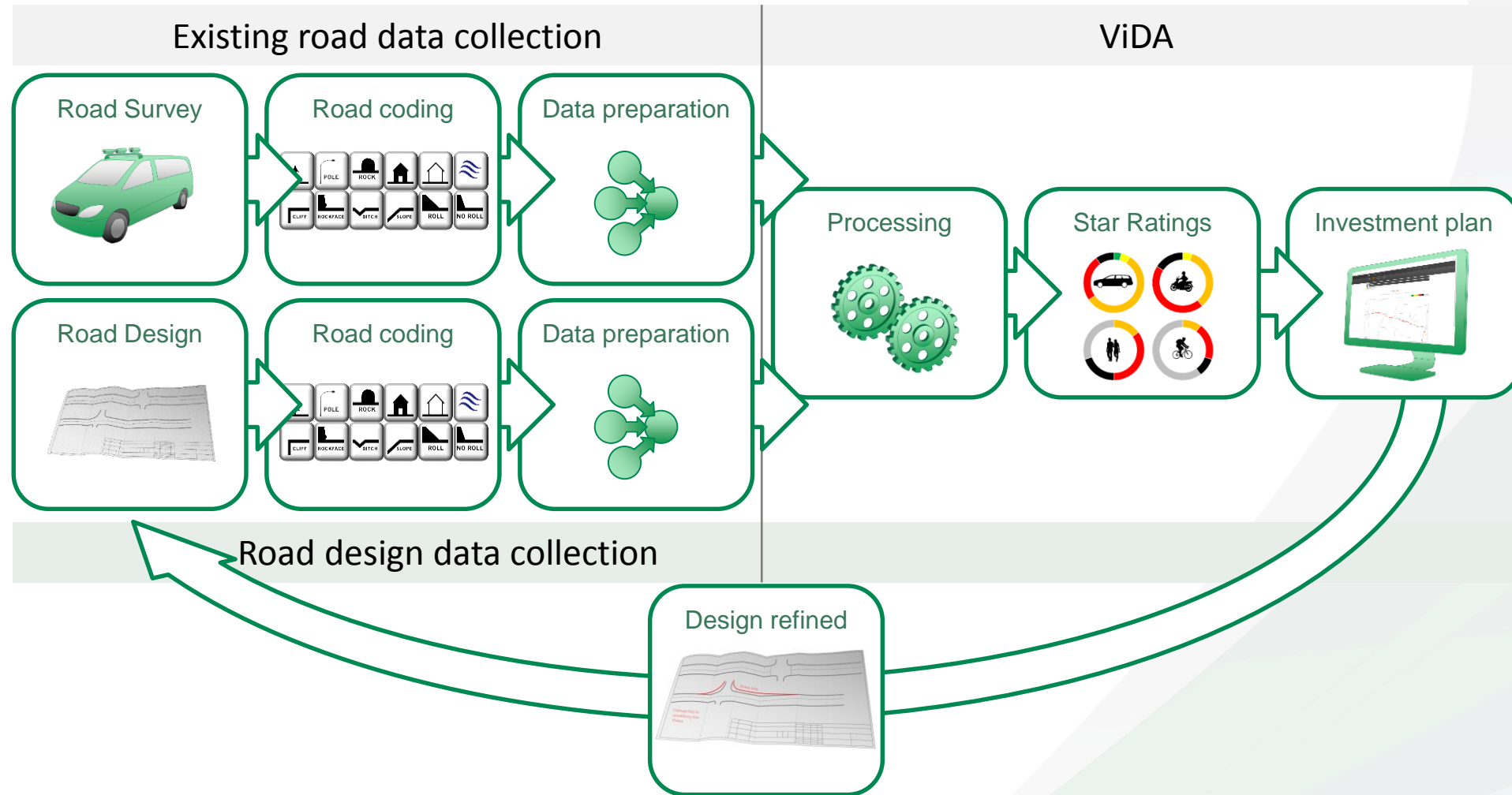
TARGET 4 2030 75%

Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.

iRAP Star Rating Process

Existing road data collection	ViDA

Road Survey → Road coding → Data preparation → Processing → Star Ratings → Investment plan

iRAP Star Rating Process

Star Rating Targets for Designs – India Example

% 3 Star or greater achieved

	Existing	Initial design	Final design
🚗	14%	87%	98%
🏍️	5%	52%	56%
🚶	0%	60%	88%
🚴	0%	47%	55%

SR4D web app overview

1. Design plan

2a. Capture images
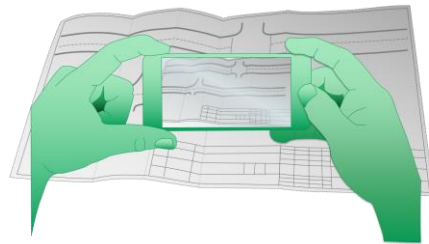
3. Code features

4. Star Ratings

PNG / JPG

2b. Import designs

Secure | vida.irap.org/en-gb/home

iRAP   Welcome

Support   Language

Welcome to ViDA

The iRAP online software to help create a world free of high risk roads

Login

Login

Register

Forgot password?

ViDA is designed to work best in Firefox and Chrome

The International Road Assessment Programme (iRAP) is a registered charity dedicated to preventing the more than 3,500 road deaths that occur every day worldwide. iRAP partners with governments, mobility clubs, development banks, research institutes and road safety NGOs in 90 countries to provide the tools and training to make roads safe.

iRAP is the umbrella organisation for regional RAP programmes including:

EuroRAP   AusRAP   usRAP   KiwiRAP

ChinaRAP   IndiaRAP   BrazilRAP   SARAP

iRAP is supported by:

FiA FOUNDATION   GRSF Global Road Safety Facility   Bloomberg Philanthropies

https://sso.irap.org/?broker_id=8

Lower Thames Crossing

- £4.4 to £6.8 Billion project
- Increasing capacity across the Thames
- Biggest UK roads project since M25
- Committed to
  - Delivering a 3 Star or better road
  - Using the SR4D web app
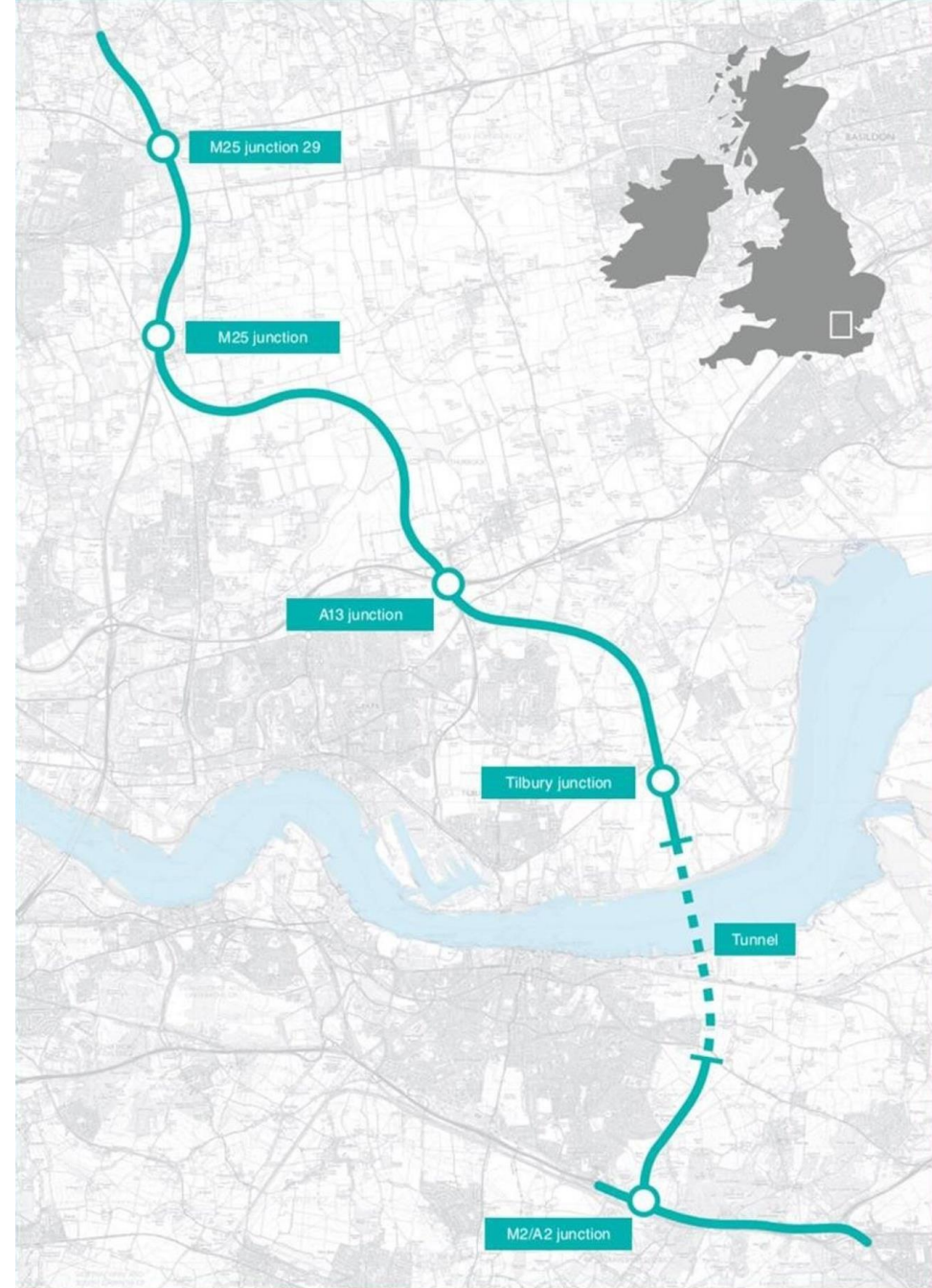
For more information

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