



FINAL EVENT

TRA – Vienna, Austria

Real World Advanced Technologies for Diesel Engines – Introduction and Project Overview

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www.project-reward.eu



REWARD; project identification

REWARD Real World Advanced Technologies for **R Diesel** Engines

EC CALL MG.3.1-2014 Technologies for low emission powertrains

Consortium (16 partners, 10 countries):

AVL (AT), CRF (IT), Renault (FR), Volvo (SE), Delphi (LU), Johnson Matthey (UK), LMM (FR), Ricardo (UK), Schaeffler (DE), IFPEN (FR), ViF (AT), CNR (IT), Chalmers (SE), CTU (CZ), UPVLC (ES), Uniresearch (NL)

Contract	Type of action	Project budget	EU Funding	Project Start-End
636380	Innovation Action	€ 12.5 M	€ 9.9 M	1/05 2015 – 30/04 2018

Subject & Objectives

Subject

Diesel powertrains and aftertreatment technologies for class B/C, D/E passenger cars

R&D objectives/ basic research

- Advanced EATS optimized for the new combustion concepts
- Technologies for high efficiency (combustion & friction)
- 2-stroke Diesel engine architecture for B/C class vehicles

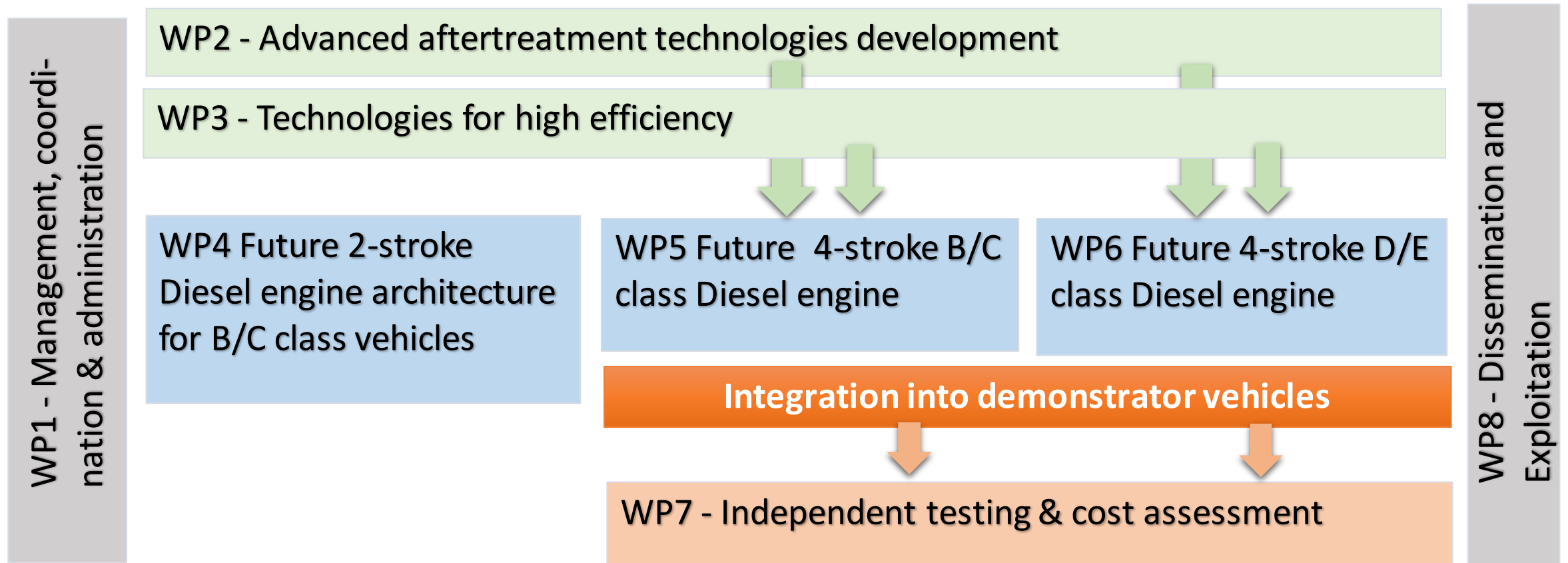
R&D objectives/ demonstrators

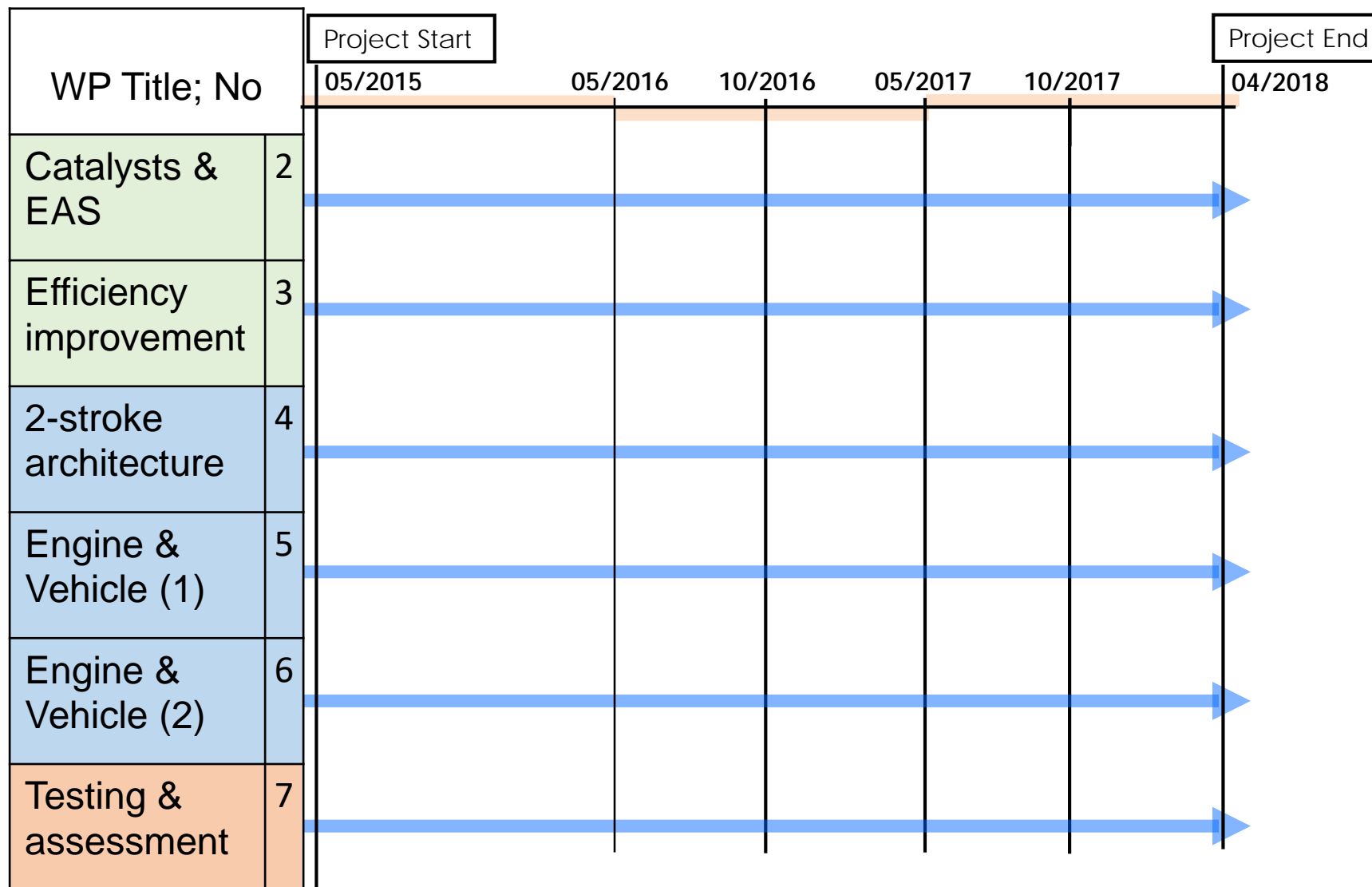
Pollutant emissions of diesel class B,C,D,E passenger cars $\leq 50\%$ of EU6d RDE

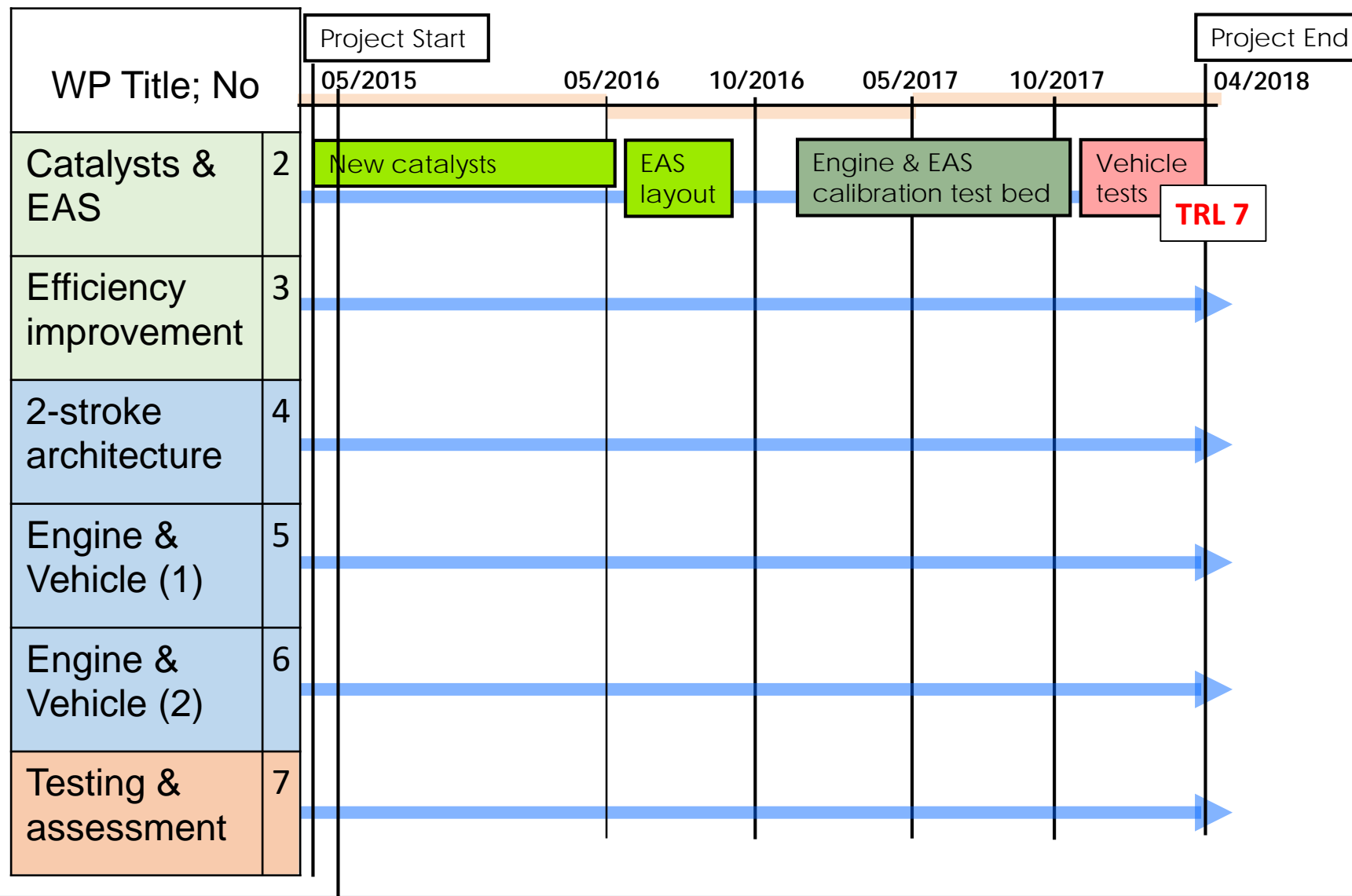
Improved fuel efficiency $\geq 5\%$ (reference vehicles 2013)

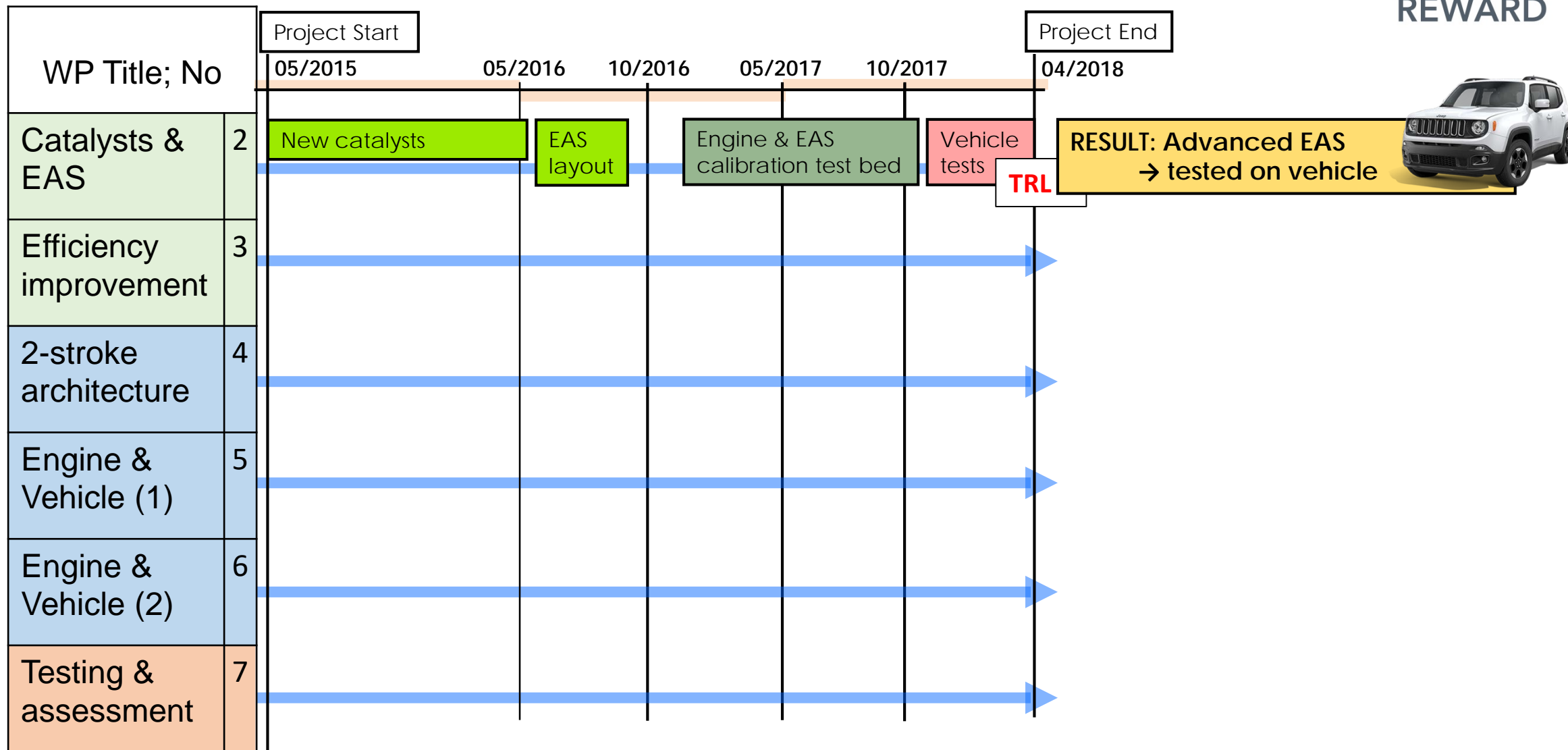
- B/C vehicle class Diesel engine; “efficiency concept” 1.6l Renault Kadjar
- D/E vehicle class Diesel engine; “downsizing concept” 2.0l Volvo XC60

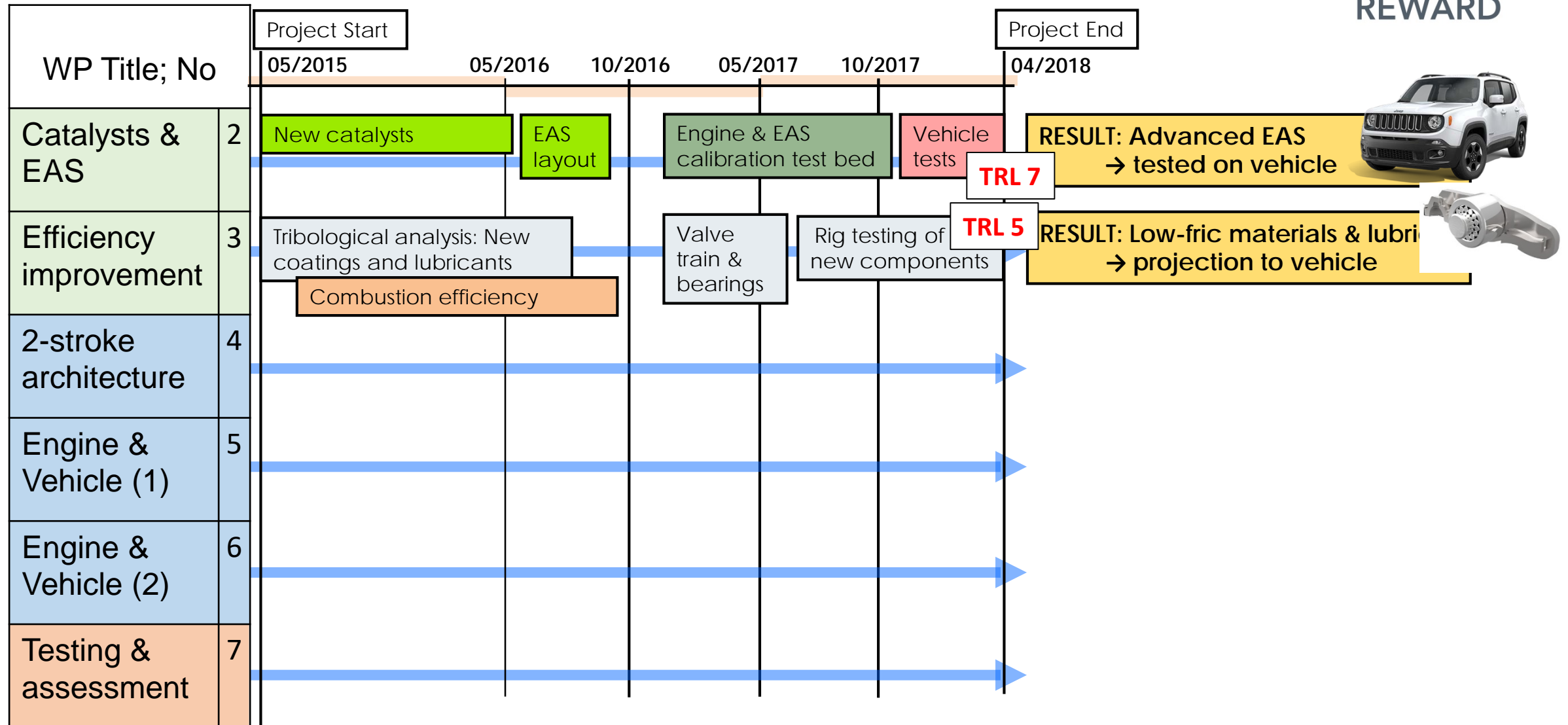
Project implementation

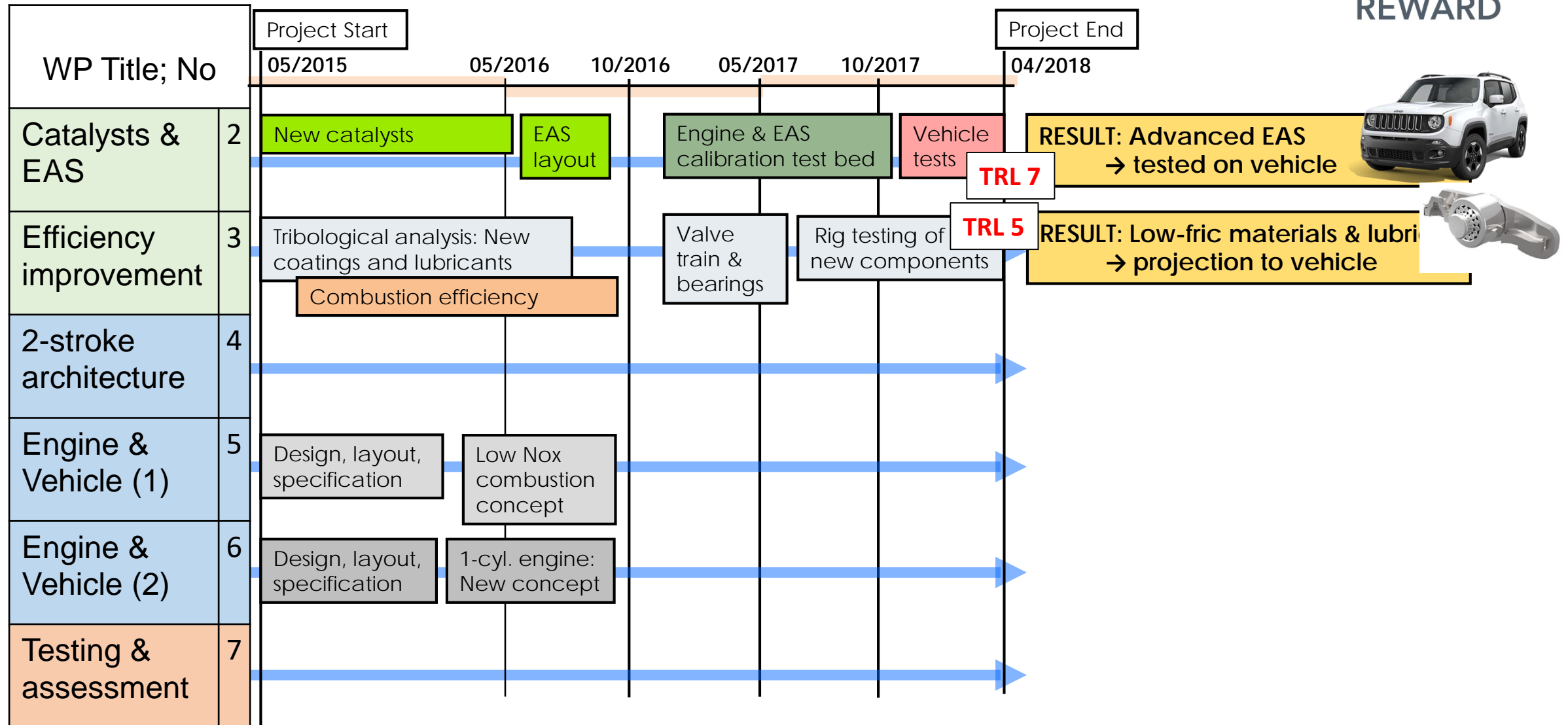


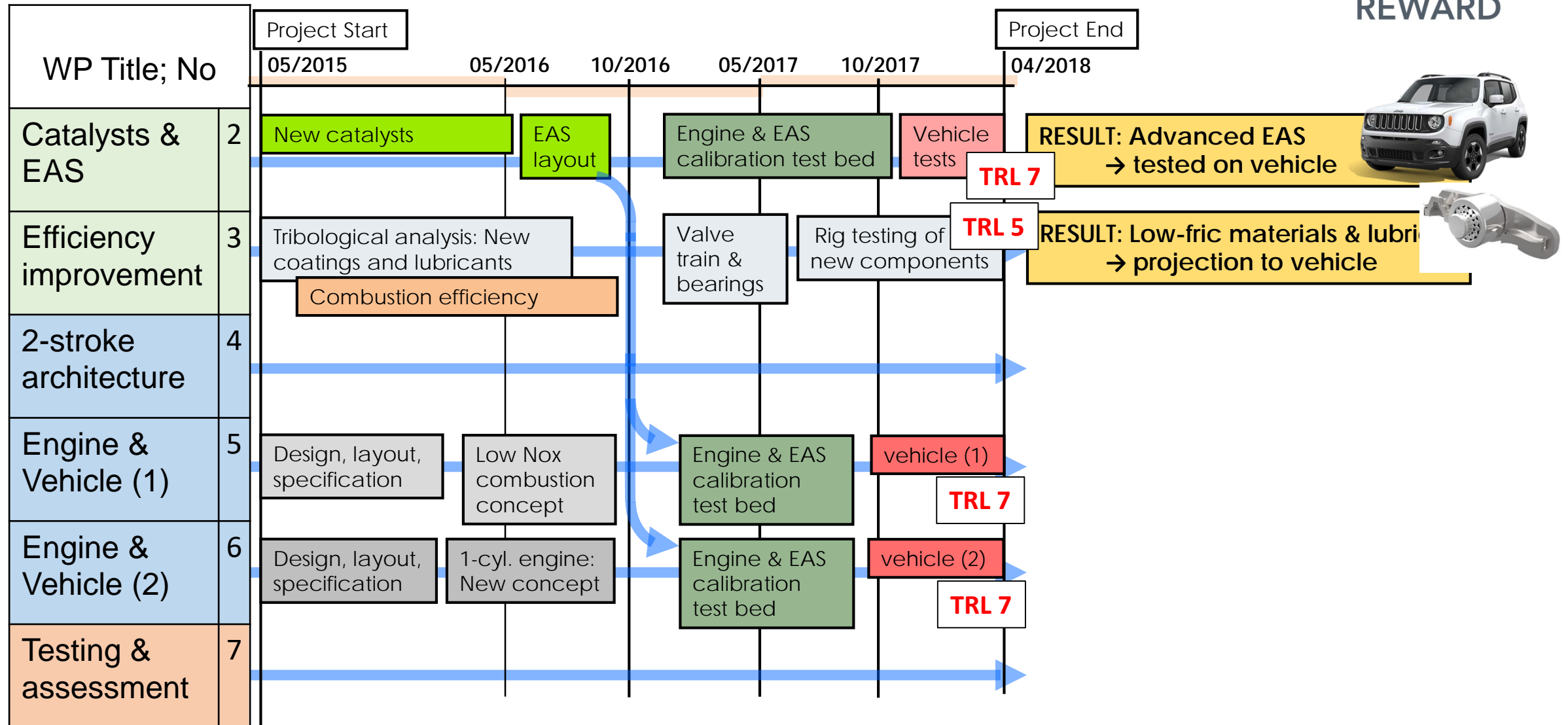


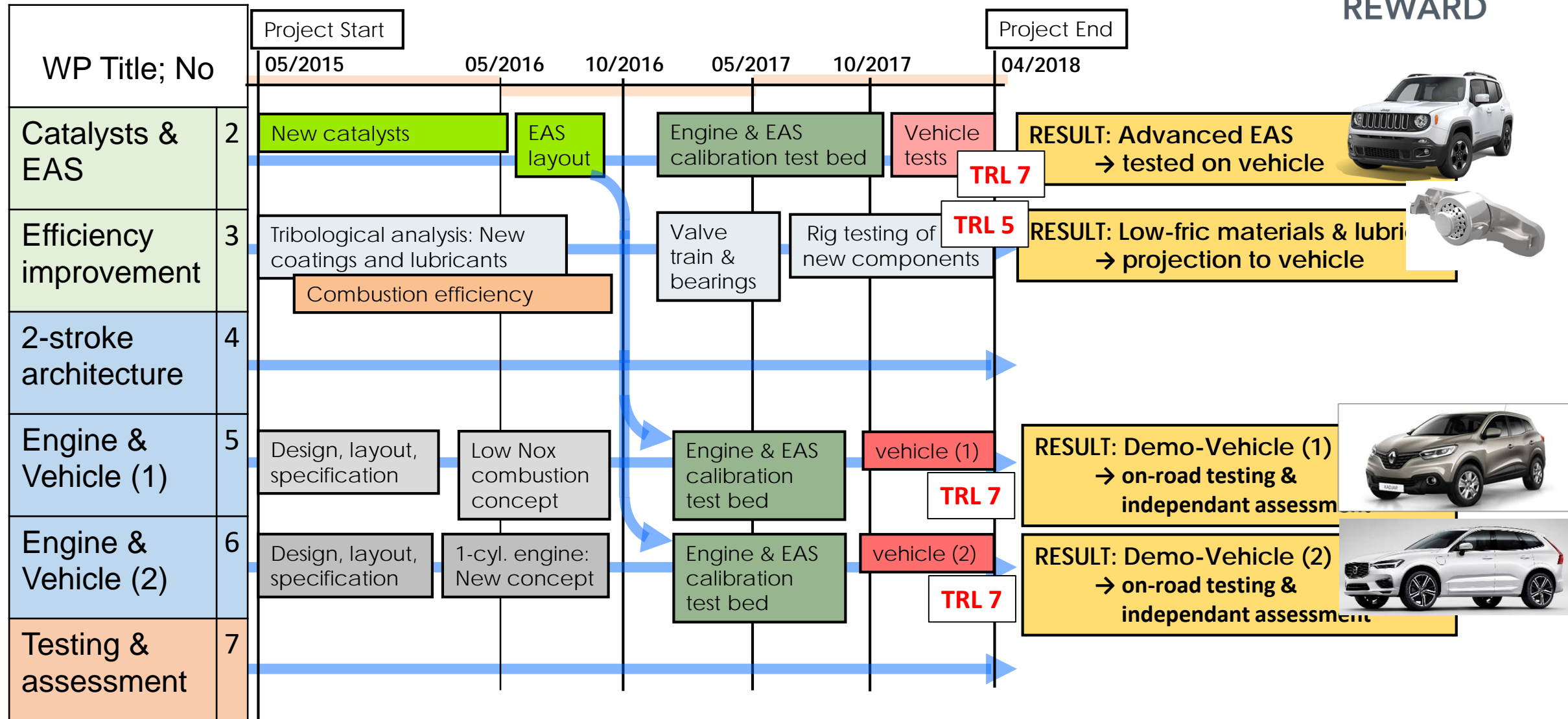


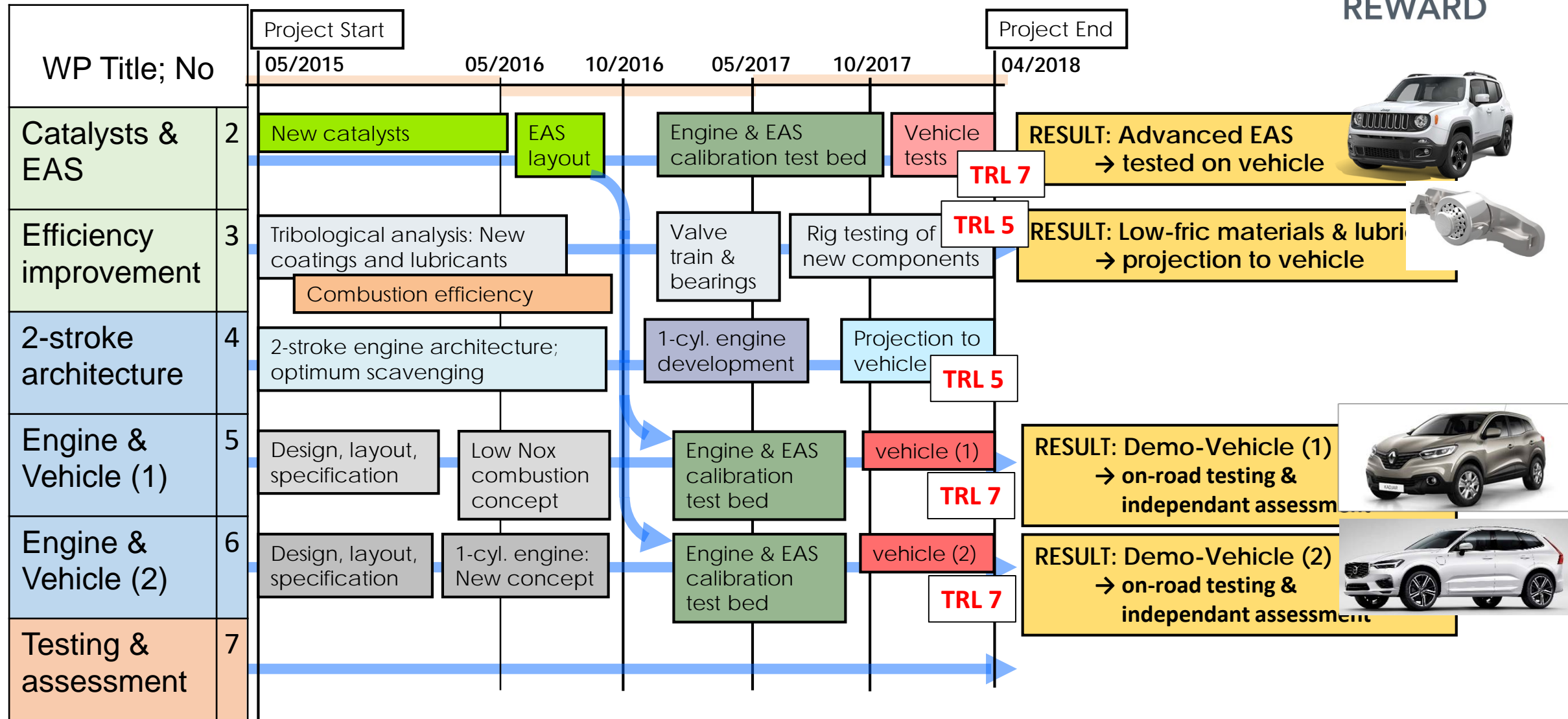


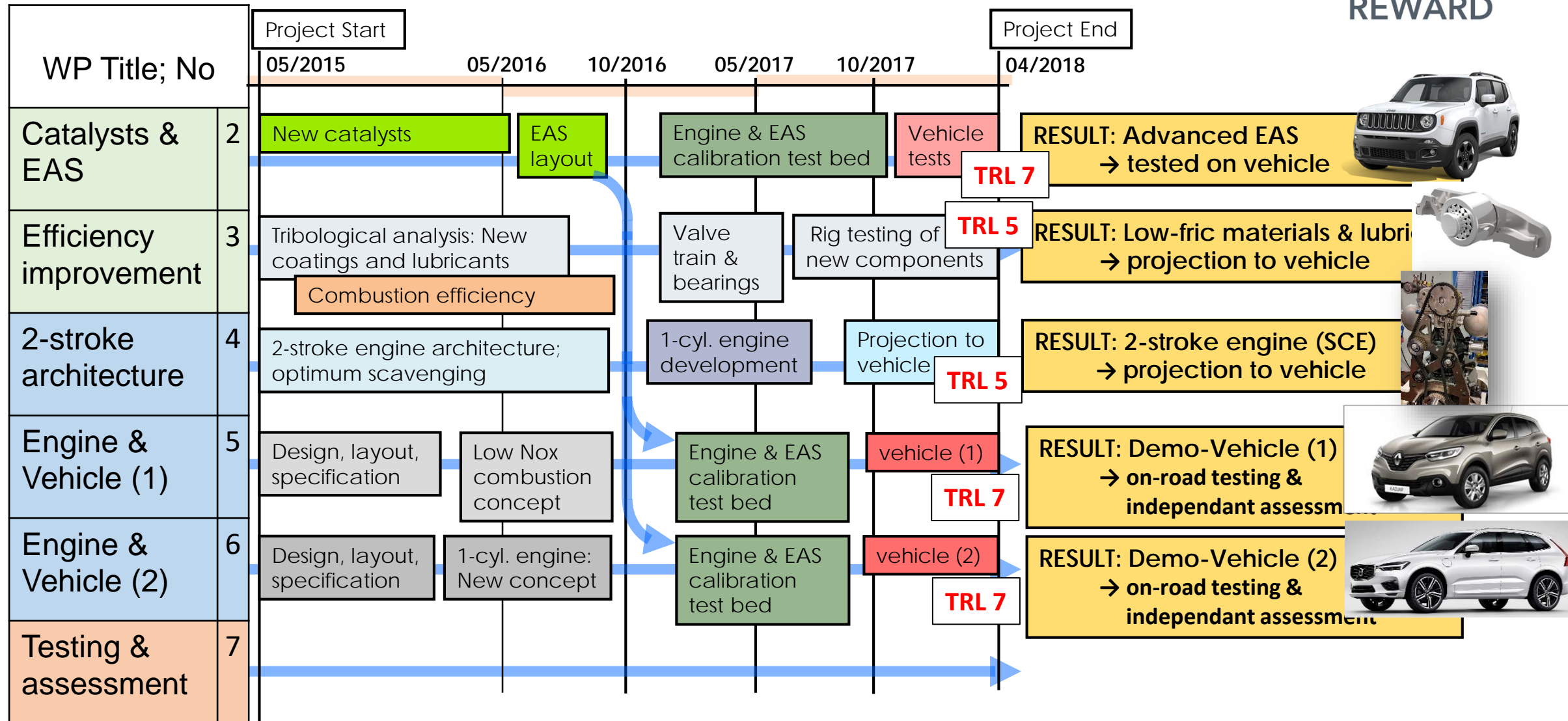


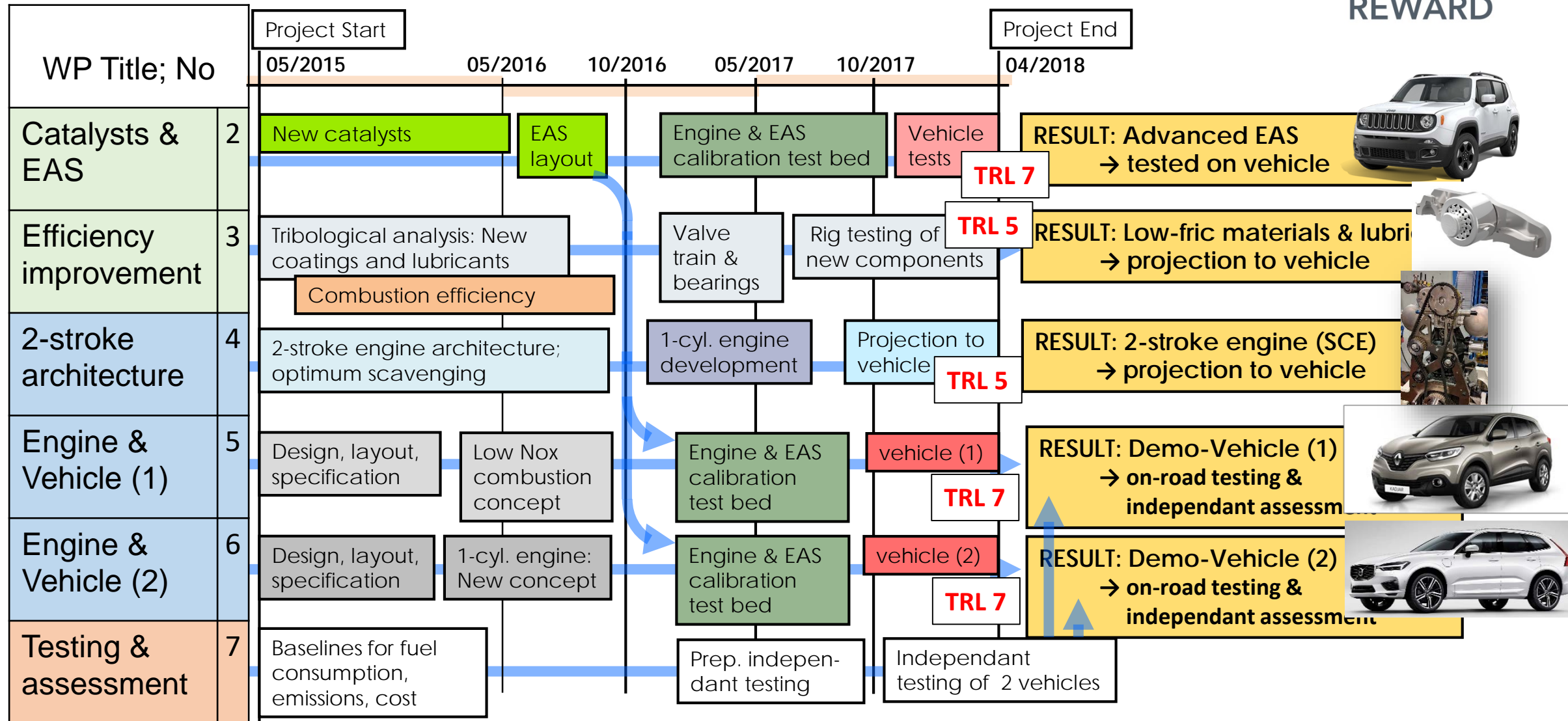


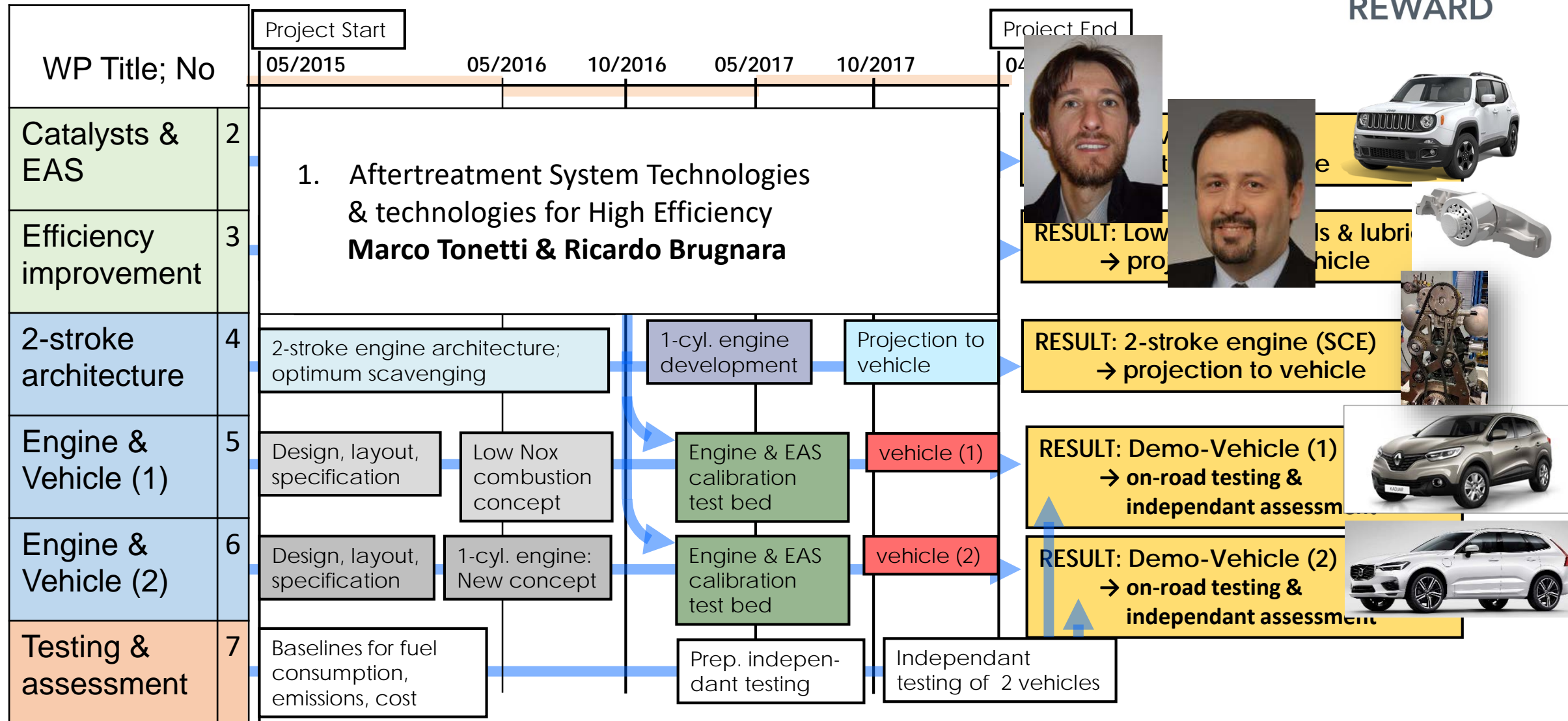


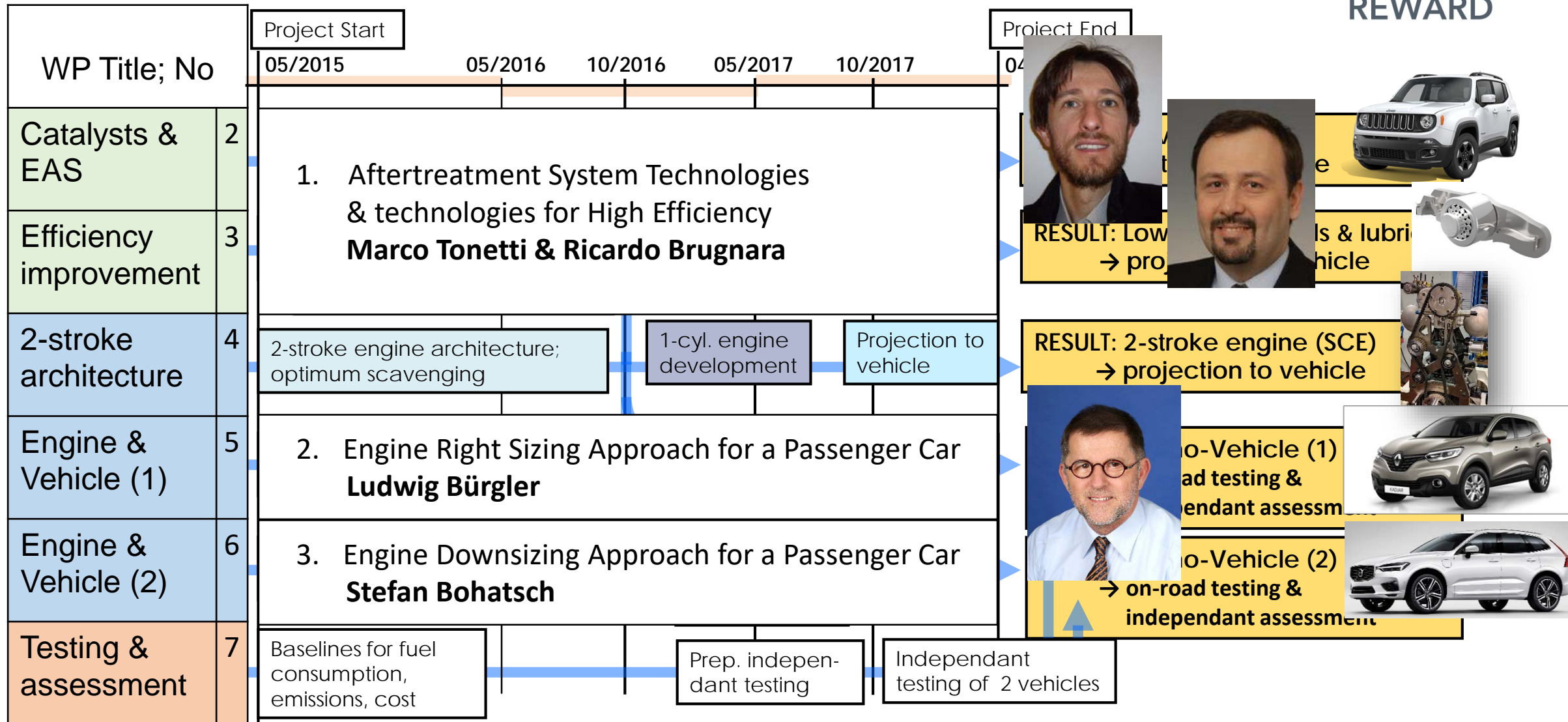


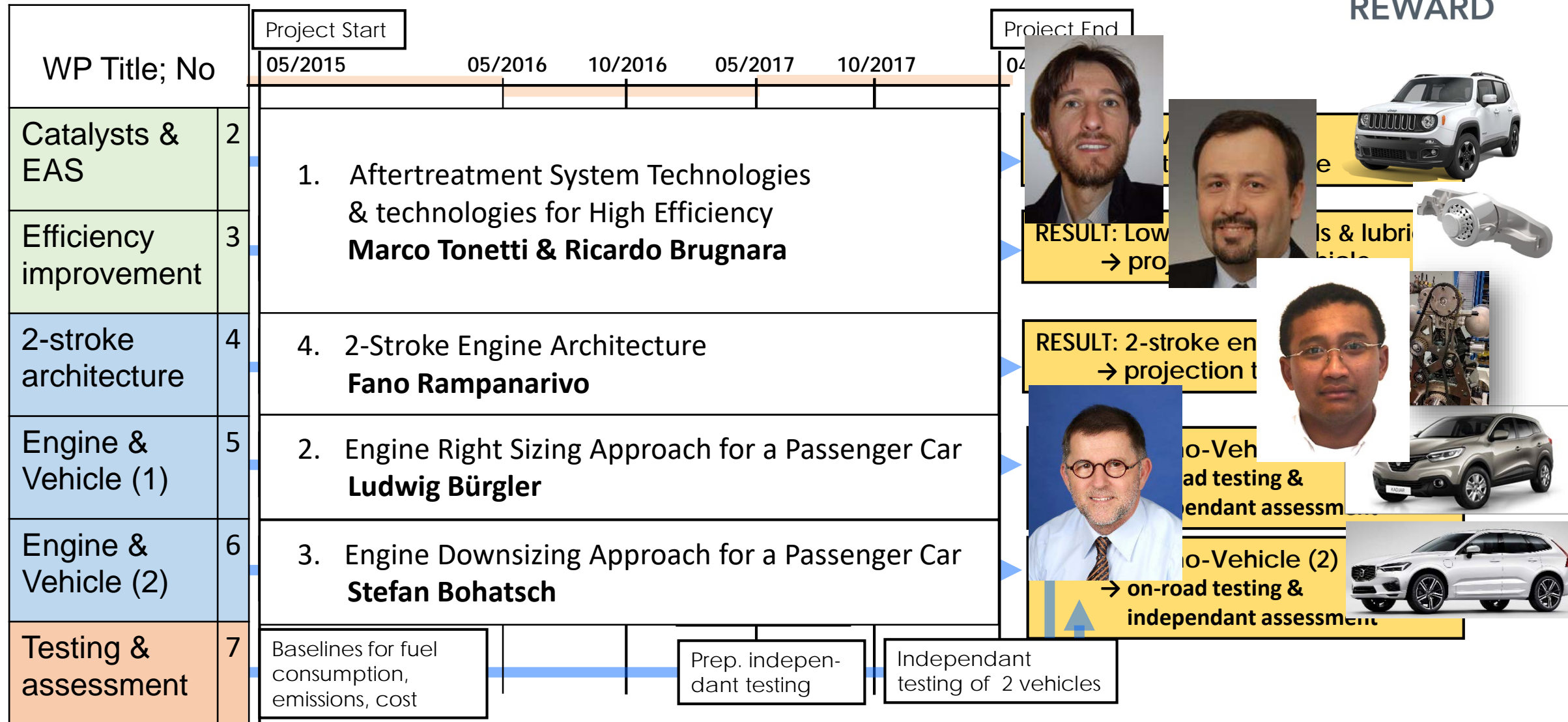












Vehicle Manufacturers



Suppliers



Research and Higher Education



Thank you
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