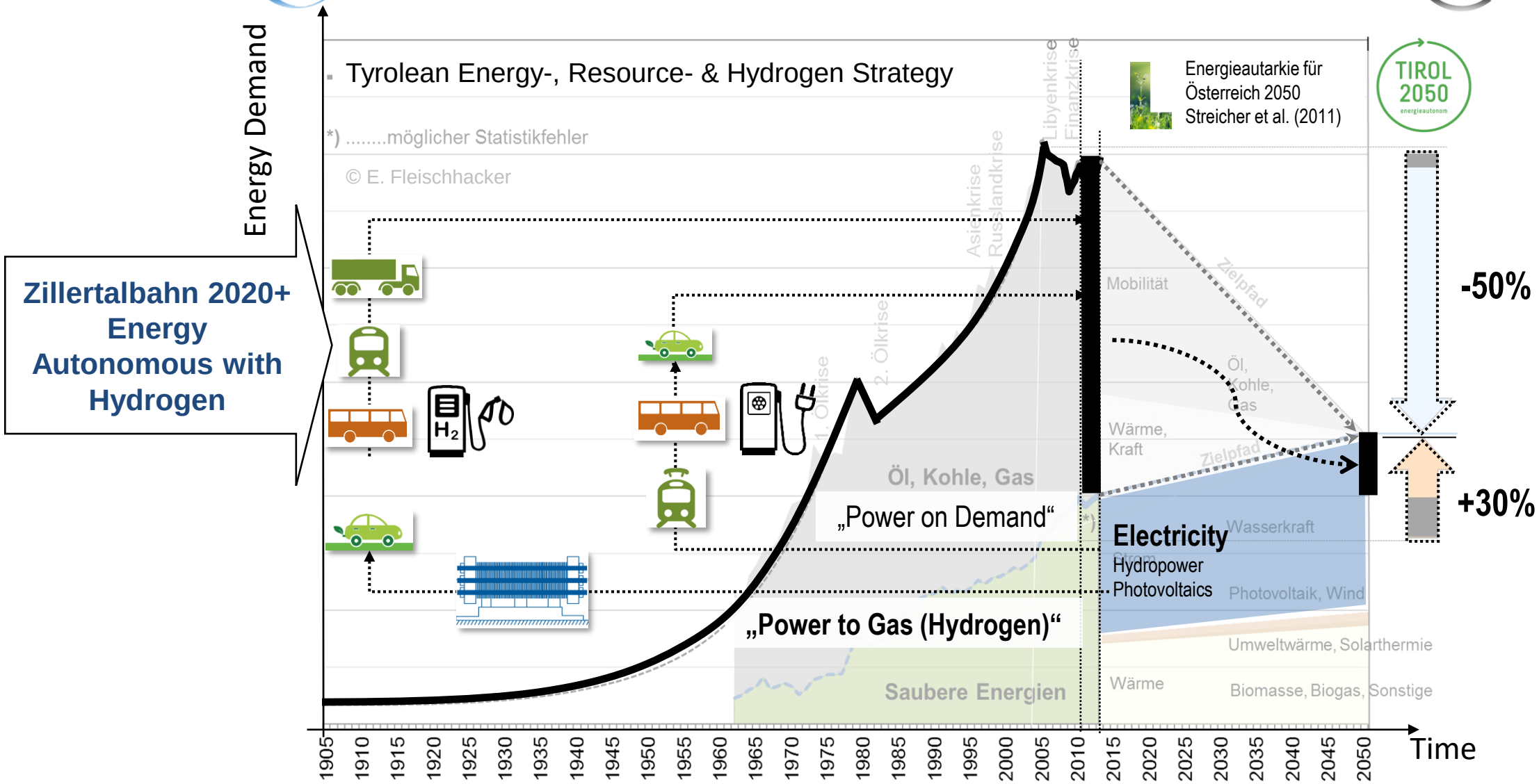
Strategy – Tyrol 2050 Energy Autonomous

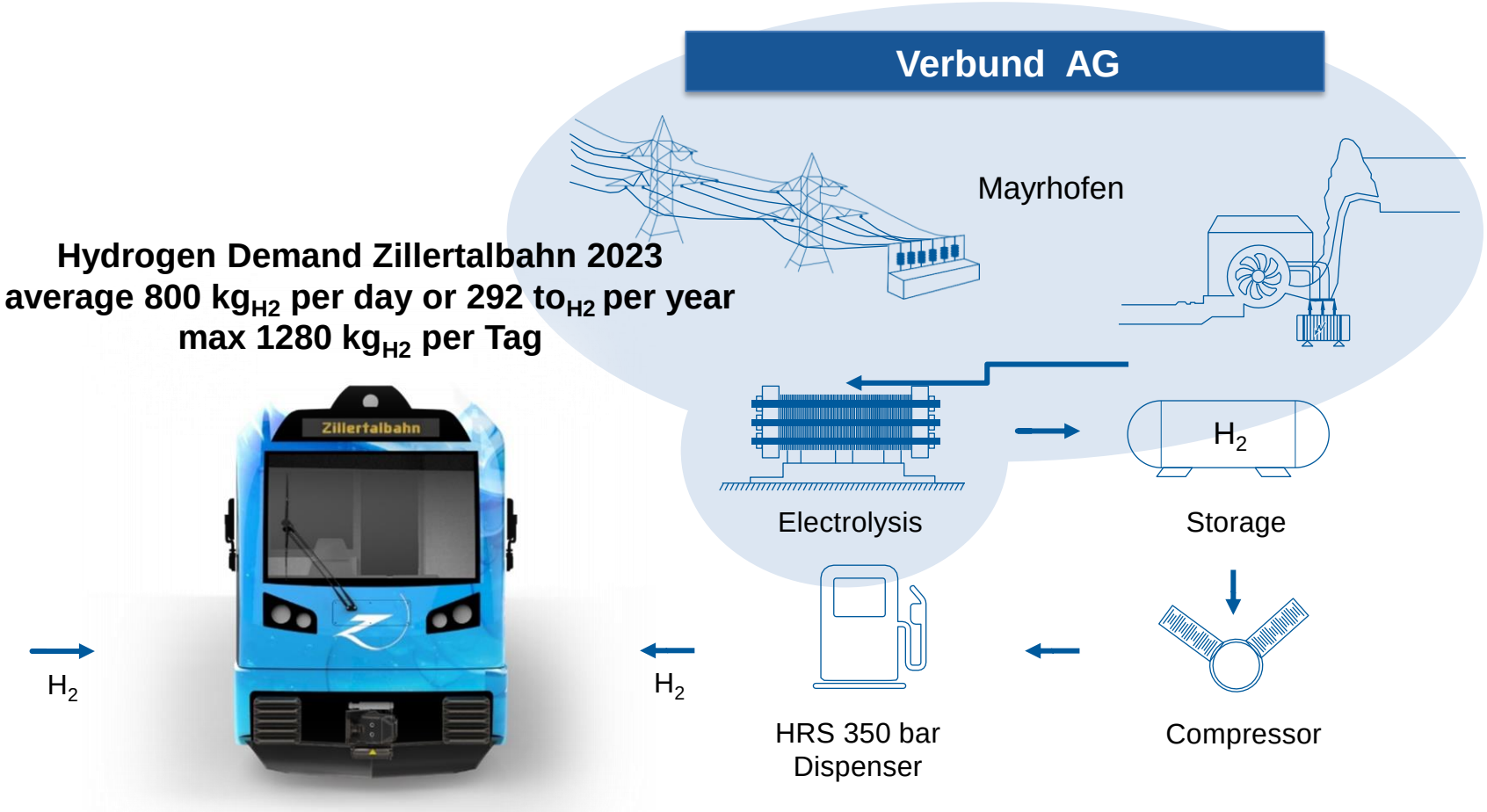


Grundlage: Statistik Austria, Energiemonitoringbericht 2014

E. Fleischhacker **2014**

Zillertalbahn 2020+ Energy Autonomous Holistic Project

Hydrogen Demand Zillertalbahn 2023
average 800 kg_{H2} per day or 292 to_{H2} per year
max 1280 kg_{H2} per Tag



HyTrain intendeds to build up Austrian know-how for the development, procurement and operation of the world's first hydrogen-powered narrow-gauge train using the Zillertalbahn as an application case.

Status Quo – Building the World's First Green Hydrogen Economy

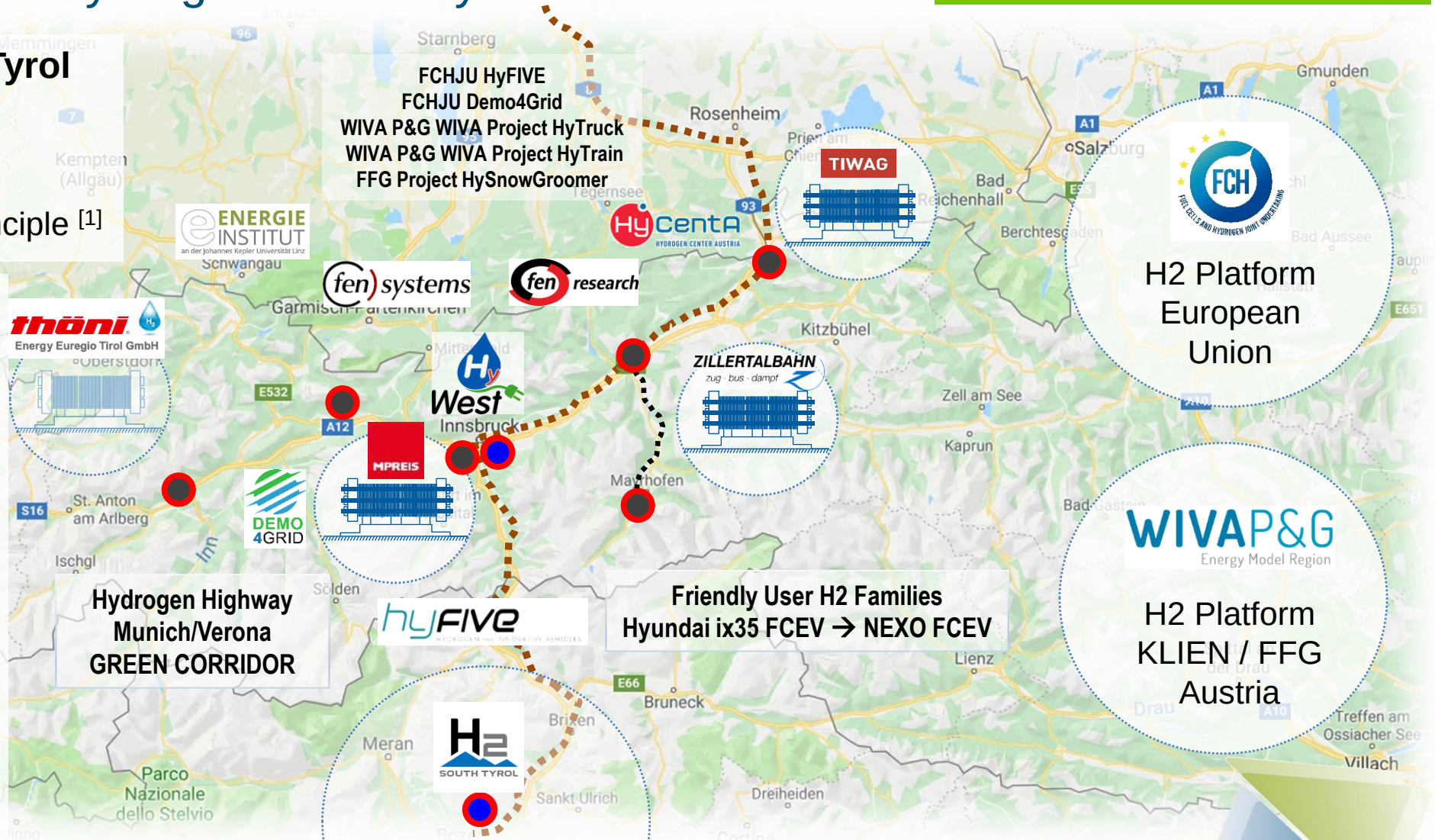
Green Energy Center

3 Electrolyzer Projects in Tyrol

- *Green Hydrogen capacity*: beyond 5000 kg_{H2} per day
- *Green Hydrogen availability*: according to the Logistic Principle [1]

Building upon highly interlinked R&D-Projects

- FCHJU HyFIVE
- FCHJU Demo4Grid
- WIVA P&G HyTruck
- WIVA P&G HyTrain
- ZEM HySnowGroomer
- WIVA P&G HyWest
- ZEMI H2Alpin
- ZEMI HyBus



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[1] *Fleischhacker E.,1994 "Methodical Approach for Solving the Problems of a Future-Oriented Water Management Concept" (Wasserwirtschaft 84. Jahrgang Nr. 10, Oktober 1994, ISSN 0043 – 0978 E10812 E)*

WIVA P&G HyTrain Consortium

ZILLERTALBAHN
zug · bus · dampf

VD Helmut Schreiner

HyCentA
HYDROGEN CENTER AUSTRIA

Alexander Trattner, CEO

WIVA P&G
Energy Model Region

HyTrain

fen systems

Nikolaus Fleischhacker, CTO
+43 512 209 039 11
nikolaus.fleischhacker@fen-systems.com

MOLINARI

Joachim Wagner, CEO

WIVA P&G Energy Model Region · HyCentA HYDROGEN CENTER AUSTRIA · MOLINARI

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