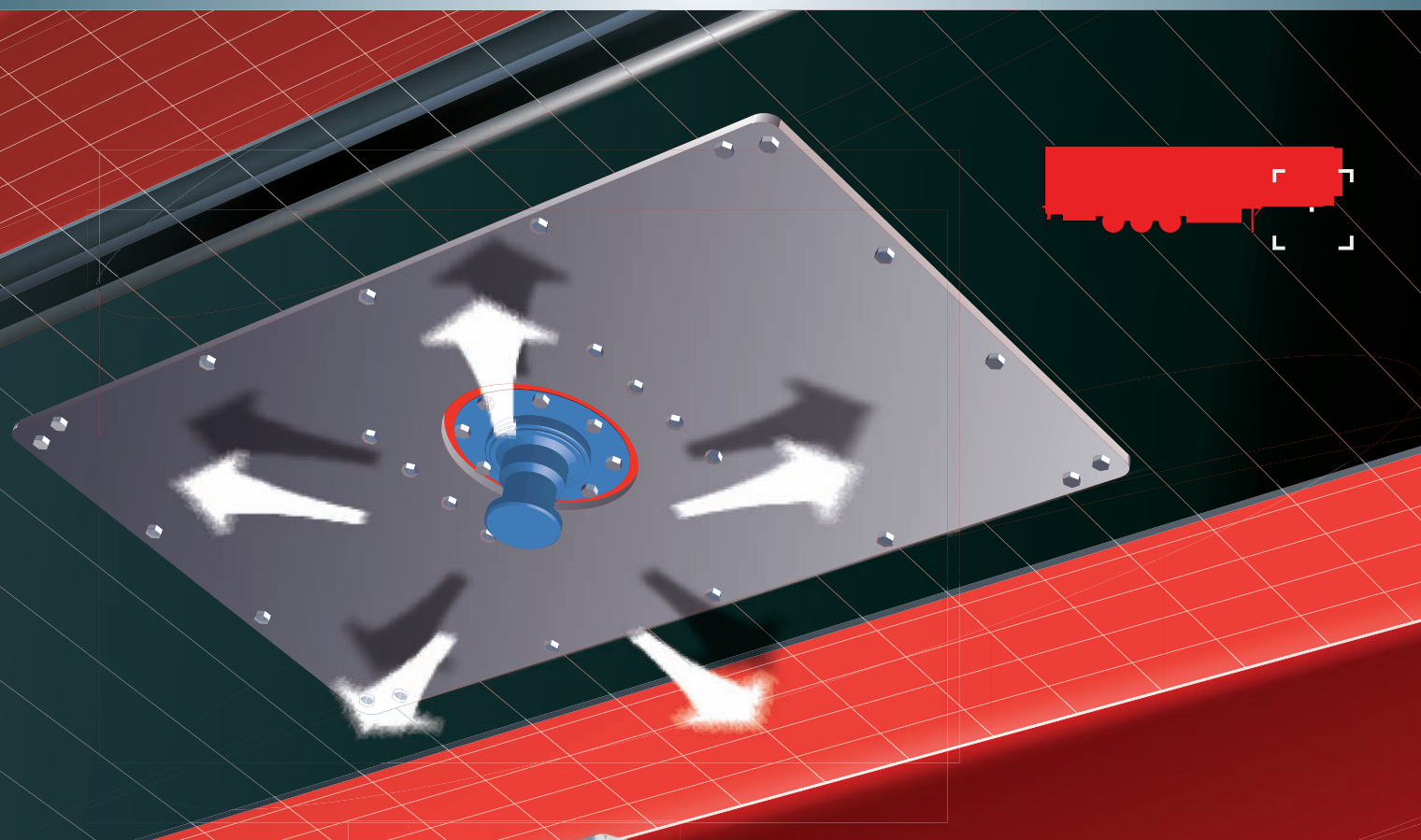


Energy-spreading removable bolted kingpin plate



**LAB-TESTED
AND VALIDATED**



CONCEPT
CATEGORY
NOMINATED



STRENGTH: The kingpin's lifespan and ability to absorb stress will outlast the vehicle's own life cycle.

Homogenization of the strength spreading on the Kingpin area.

SAFETY considerably increased: The kingpin can be exchanged if microcracks appear.

CONVENIENCE: Removable for 6-year technical inspection.

EASY-MAINTENANCE: The kingpin plate becomes a removable, inspectable wear part.



BOXES & LIGHT TRAILERS



VANS



PLATFORM-CABS



CHASSIS-CABS



RIGIDS



SEMI-TRAILERS



SWAP BODIES



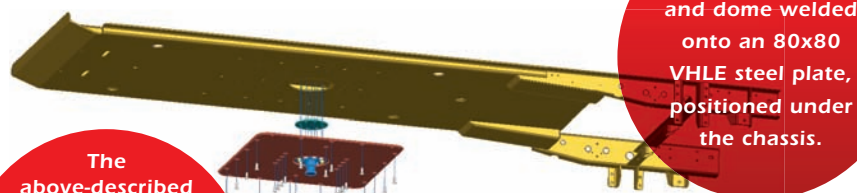
CUSTOMISED

The KPES revolutionizes the technology behind the chassis/kingpin connection, where safety is critical, and meets 3 goals:

→ Strengthens the chassis/kingpin coupling to prevent it from becoming worn or torn off.

→ Dissipates energy and shocks from the kingpin through the chassis, in order to keep them off the kingpin's dome.

→ Facilitates maintenance by offering the option to periodically inspect it and replace it inexpensively if need be.

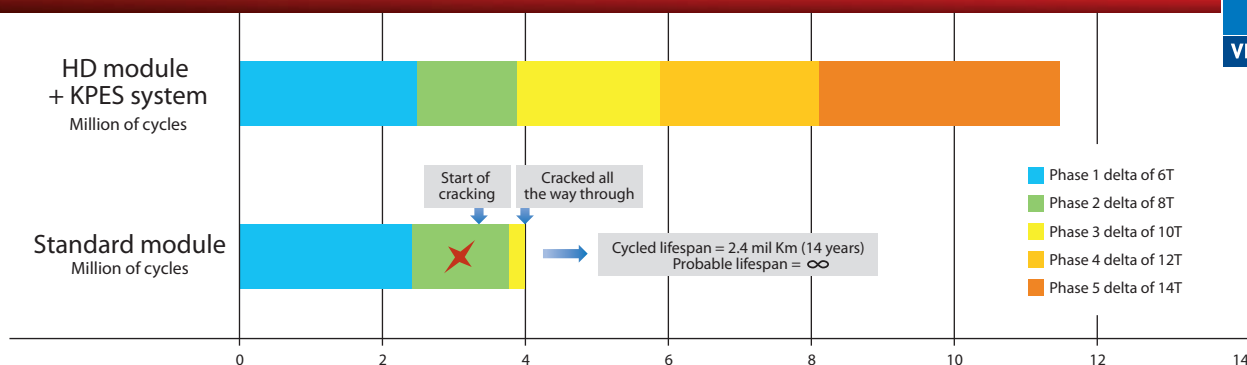


The above-described system is then bolted together with the chassis, ensuring that it undergoes gradual pressurization while also facilitating maintenance.



High-strength elastomer (90 shores) compressed between the kingpin dome and the counter-dome cage on the chassis. The energy is absorbed and the traditional leverage effect is eliminated.

VINCOTTE laboratory – Intensive wear testing



Intensive testing proves that KPES triples the kingpin's lifespan (standard system using the Vincotte protocol: limit of 2.4 million Km, KPES: no sign of wear after 10 million Km)

Lamberet's chassis featuring the exclusive KPES system is the first chassis to successfully pass the new UN ECE regulation n°55 that governs the hitching of a tractor+trailer assembly.

- 100% compatible with current fifth-wheel systems
- No need to change the coupling height
- No impact on overall height
- EASY-MAINTENANCE CONCEPT
- No upkeep
- Safety level takes a few minutes to check
- Quick-in quick-out: Replacement made easier by bolted-in technology

Référence : UN ECE REGULATION N°55

ACTS ADOPTED BY BODIES CREATED BY INTERNATIONAL AGREEMENTS

Only the original UN/ECE texts have legal effect under international public law. The status and date of entry into force of this Regulation should be checked in the latest version of the UN/ECE status document TRANS/WP.29/343/Rev.X, available at: <http://www.unece.org/trans>

OPTION AVAILABLE ON ALL SR2 MODELS



LAMBERET