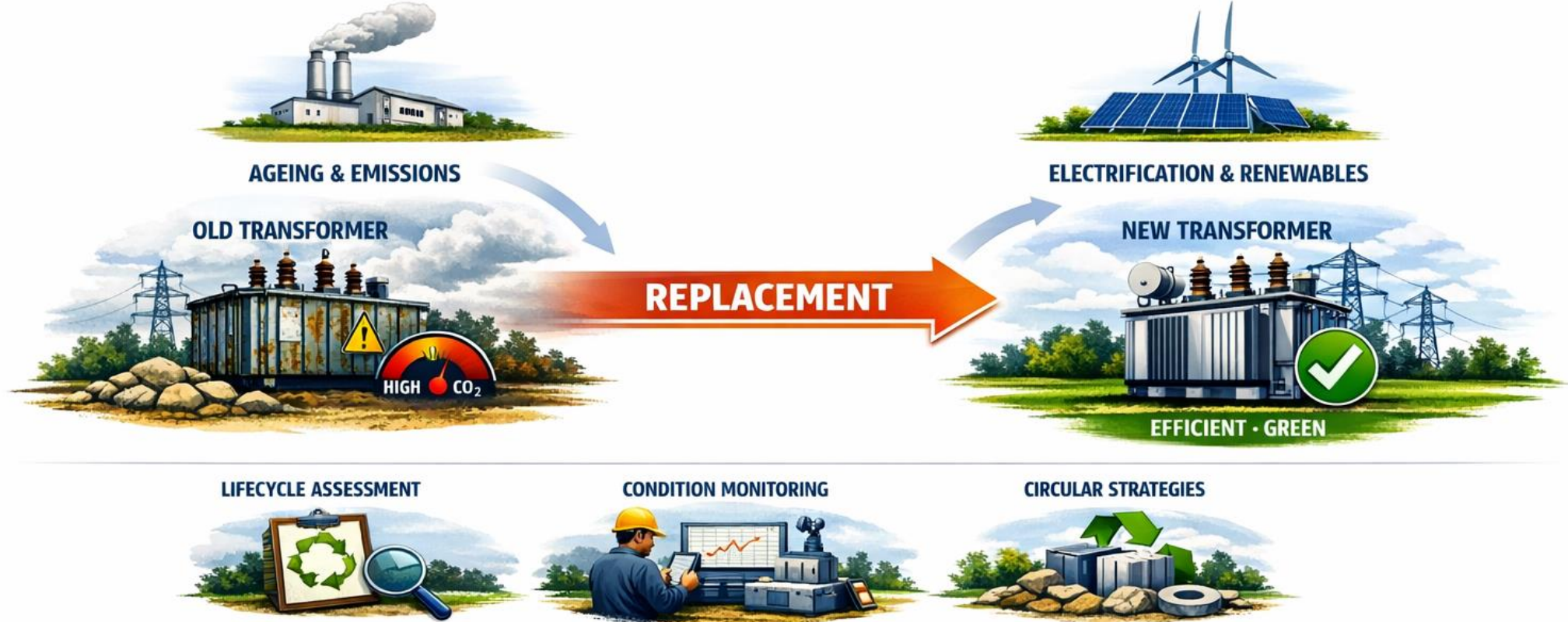




Transformers Replacement

a challenge towards sustainability

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Transformer Replacement: a sustainability dilemma

European transformer fleets are ageing

Electrification increases losses and operational CO₂

Replacement improves efficiency

but

embeds new CO₂

Replacing Transformers
is necessary

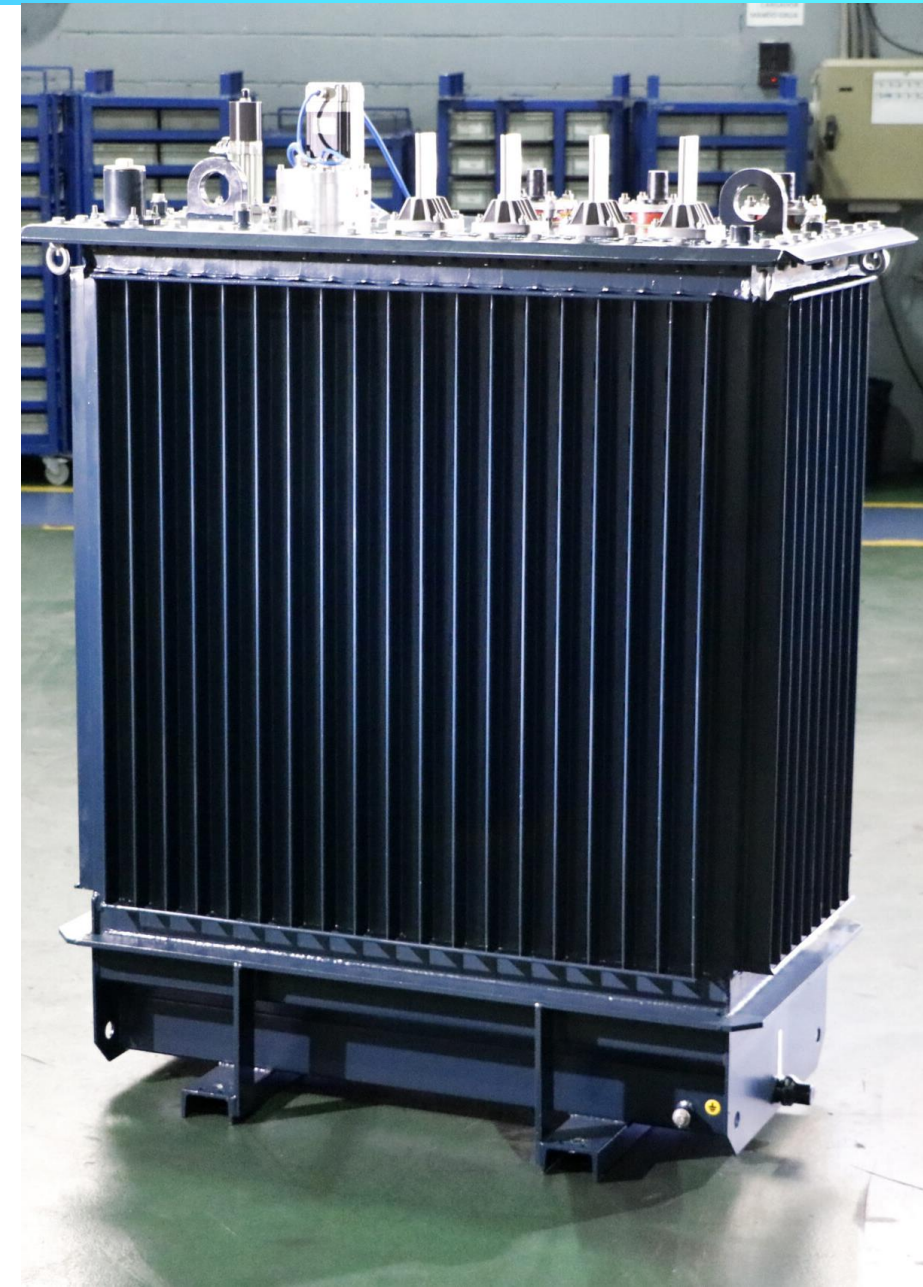
but

not every replacement is
automatically sustainable

Efficiency gains vs Life-Cycle impact

- New transformers require steel, GOES, copper, aluminum, cellulose, oil...
- Premature replacement may increase total CO₂
- Manufacturing capacity and materials are limited

The challenge is not speed, but doing the right replacement at the right time





From “replace faster” to “replace smarter”

- Condition- and data-based replacement decisions
- Life-Cycle Assessment instead of nameplate efficiency only
- EU-TRACE aligns policy, DSOs and industry for scalable impact

EU-TRACE helps turn transformer replacement into a truly sustainable transition



Technology for a new
electric world



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