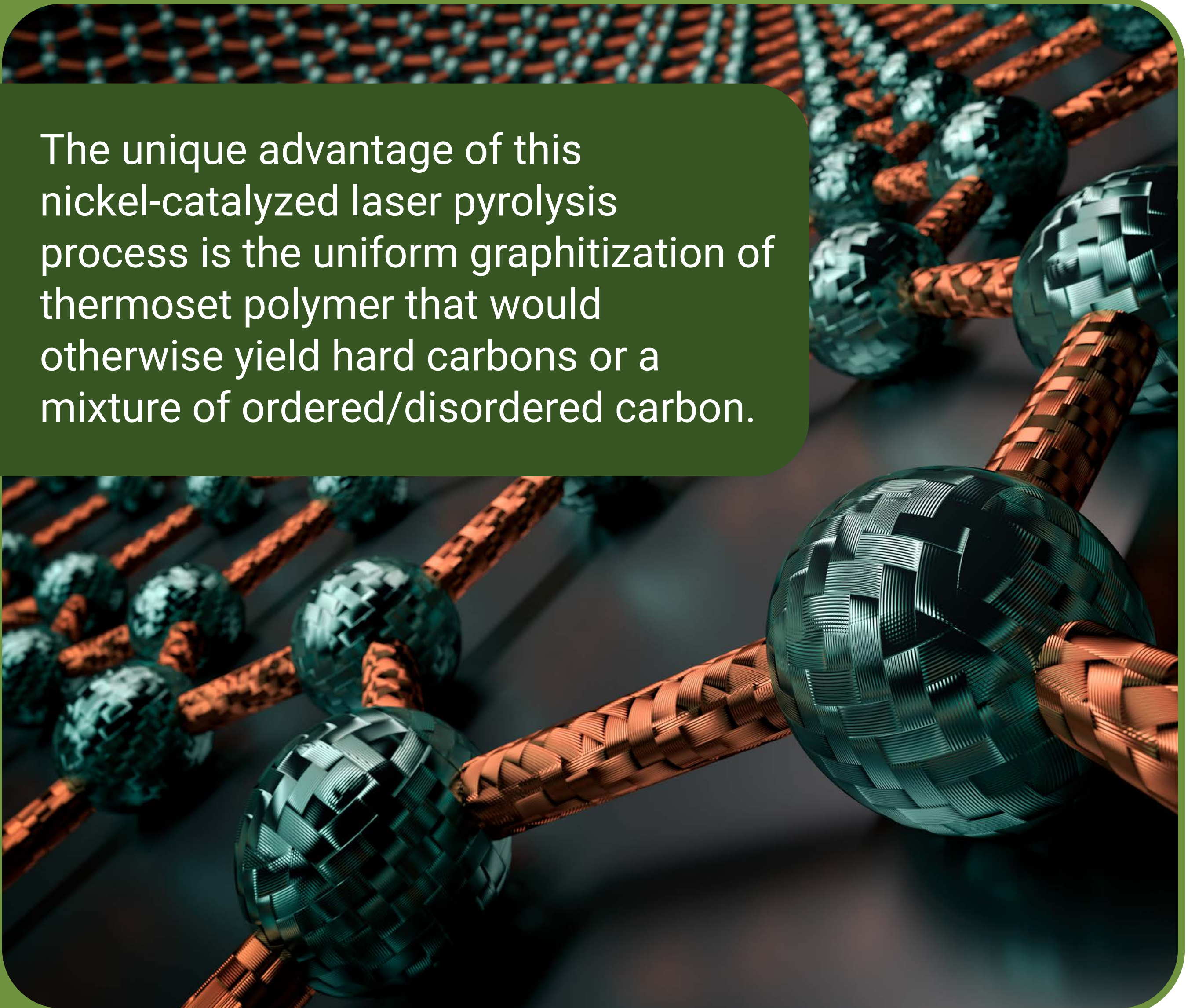

**RESEARCHERS
FROM RISE, TCG CREST
AND IISER, PUNE**

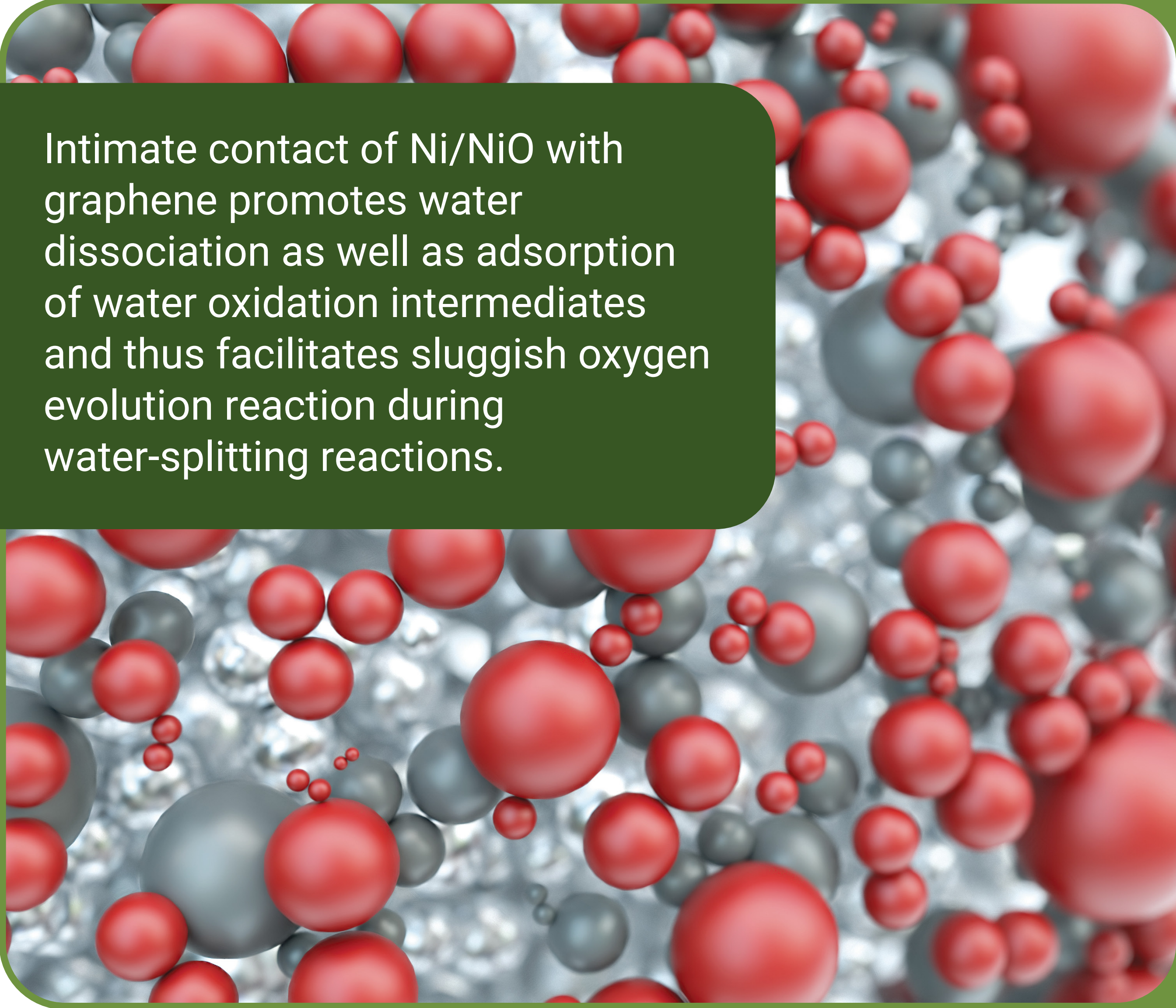


Have developed a novel nickel catalyst with a biowaste-derived graphene support to accelerate green hydrogen production.



The unique advantage of this nickel-catalyzed laser pyrolysis process is the uniform graphitization of thermoset polymer that would otherwise yield hard carbons or a mixture of ordered/disordered carbon.





Intimate contact of Ni/NiO with graphene promotes water dissociation as well as adsorption of water oxidation intermediates and thus facilitates sluggish oxygen evolution reaction during water-splitting reactions.



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Inventing Harmonious Future

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