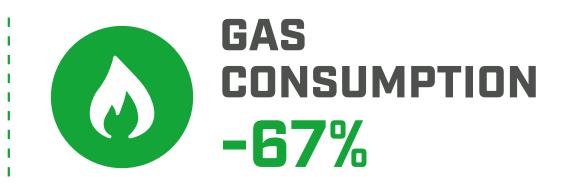
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RAPID DRYING OF CERAMICS REDUCING ENERGY CONSUMPTION AND CO₂ EMISSIONS WHILE PRESERVING PRODUCT QUALITY

The RAPID DRY project optimised the DRYING OF CERAMIC CAST PIECES







These results have been achieved by

DEVELOPING A NEW DRYER

DEVELOPING NEW CERAMIC SLIPS FORMULATIONS

INDUSTRIAL RESULTS

DRYING CYCLE IN TRADITIONAL DRYER

DRYING CYCLE IN NEW RAPID DRY DRYER



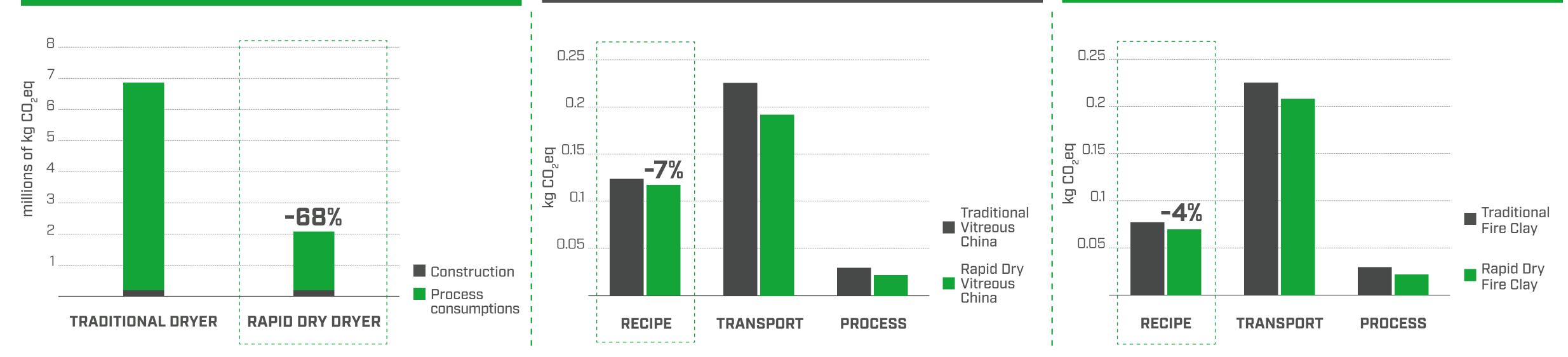




7h with RAPID DRY SLIPS O DAMAGED OR BROKEN PIECES

ENVIRONMENTAL RESULTS

GREENHOUSE GAS EMISSIONS IN THE LIFE CYCLE OF A DRYER (30 YEARS) GREENHOUSE GAS EMISSIONS PER 1 kg OF VITREOUS CHINA GREENHOUSE GAS EMISSIONS PER 1 kg OF FIRE CLAY



ECONOMIC RESULTS



costs over the life cycle of a dryer using **RAPID DRY VITREOUS CHINA BODIES**



-31% costs over the life cycle of a dryer using RAPID DRY FIRE CLAY BODIES



-than 1 year

the time needed to repay the higher investment due to the purchase of the NEW RAPID DRY DRYER







