HOW ASRI IS SUPPORTING A SECURE SOUTH AFRICAN FUTURE

Prof Jean Pitot

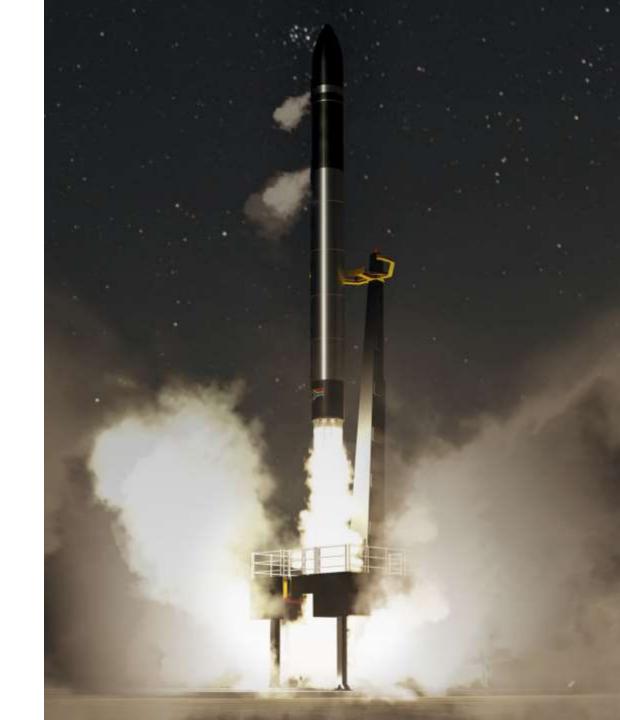
Deputy Director and Chief Engineer

Aerospace Systems Research Institute (ASRI) University of KwaZulu-Natal





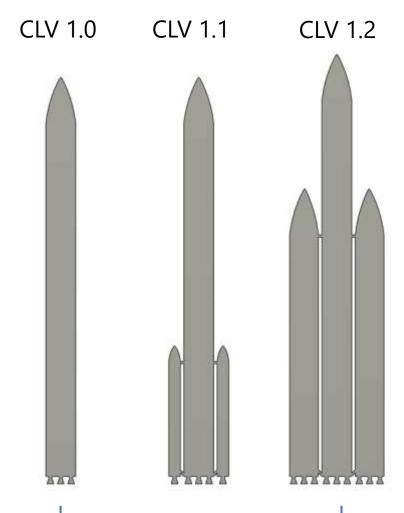






The CLV Small Satellite Launch Vehicle





250 kg to 500 km SSO

600 kg to 500 km SSO







The SAFFIRE Liquid Rocket Engine



First Ground Test Engine



First Flight-Weight Engine Configuration







SAFFIRE Engine Testing Round 1 (OTR, June)



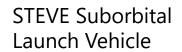








Suborbital Launch Gantry (OTR)











SHP163 Green Propellant Testing



22 N In-Space Thruster



Trial Print of Thruster Chamber and Nozzle



