

CFD FLOW SIMULATION

V-TECH LINE TOURING WINDSHIELD

REF.20732

AERODYNAMIC TEST

BMW C400X
2019 -

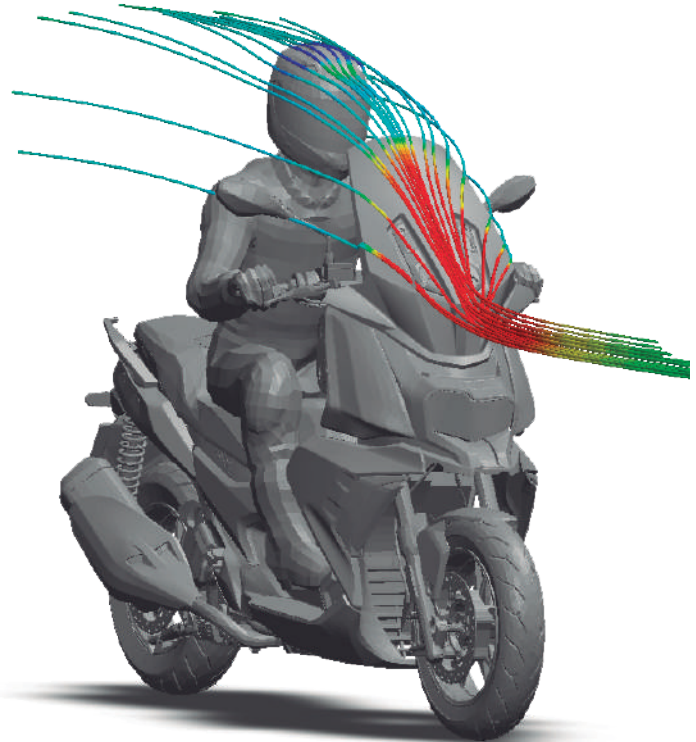
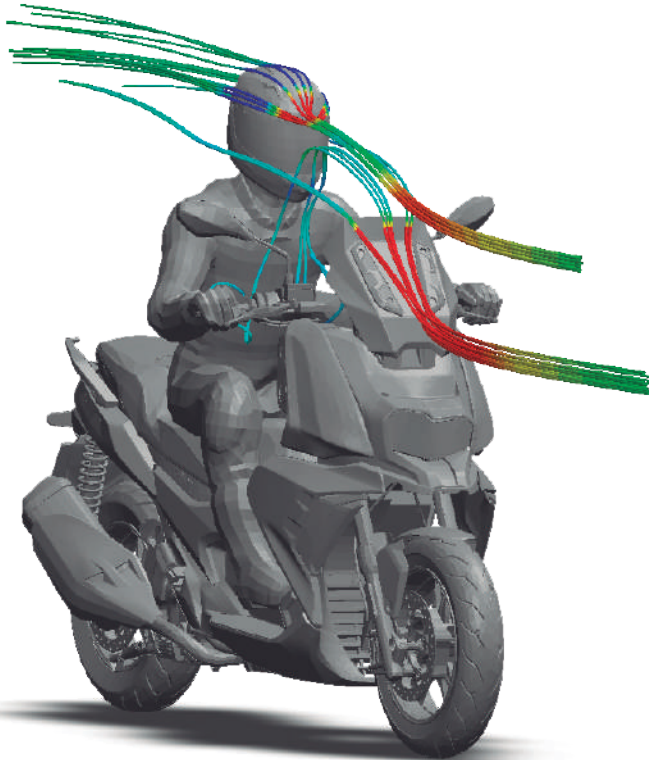


AIR FLOW & PRESSURE COMPARISON



ORIGINAL SCREEN

V-TECH TOURING SCREEN



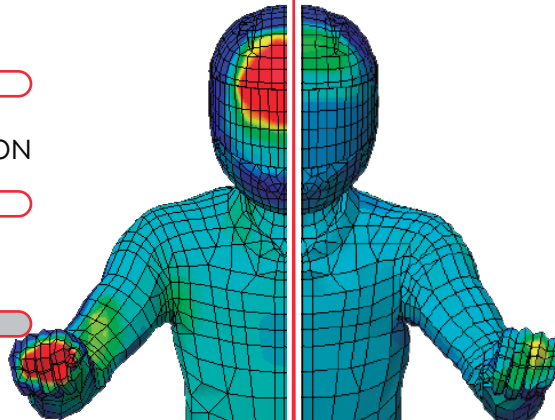
HELMET PROTECTION



UPPER BODY PROTECTION



LOW BODY PROTECTION



HELMET PROTECTION



UPPER BODY PROTECTION



LOW BODY PROTECTION



LOW PRESSURE

HIGH PRESSURE

TOTAL DISSIPATED PRESSURE WITH PUIG SCREEN IS EQUIVALENT TO 1,7 Kg

INCREASE WIND PROTECTION

91% WITHOUT LOSING Cx

AERODYNAMIC TEST CONDITIONS

VSPEED	120 Km/h	94 mph
RIDER HEIGH	180 cm	5.9 ft
TEMPERATURE	20°	68°F
RIDER POSITION		Standard
LATERAL WIND		No

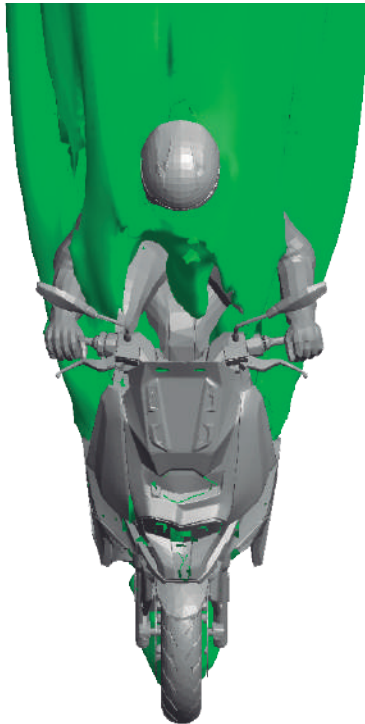
ACOUSTIC POWER LEVEL COMPARISON

55dB zone:

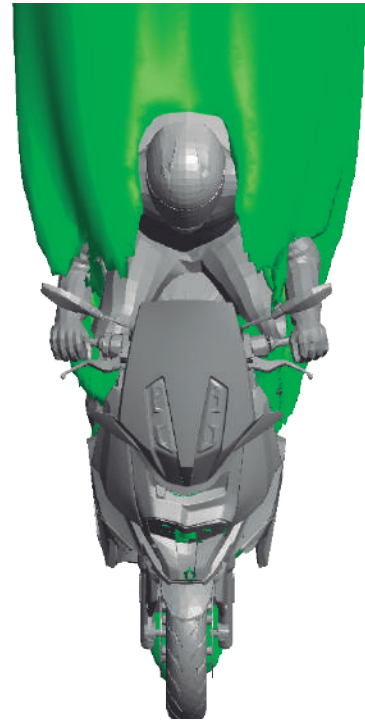
The green cloud that we can see in the following images defines the area affected by a sound level of 55dB. As we can see, when mounting the puig screen, we managed to remove all that annoying sound from the helmet area.



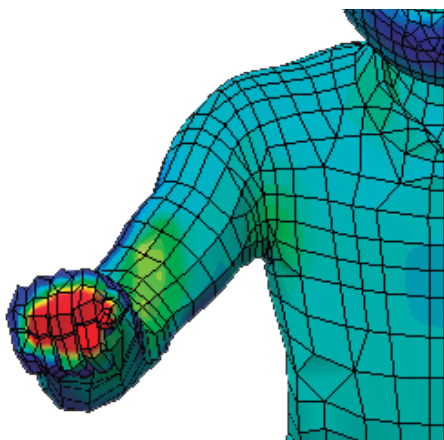
ORIGINAL SCREEN



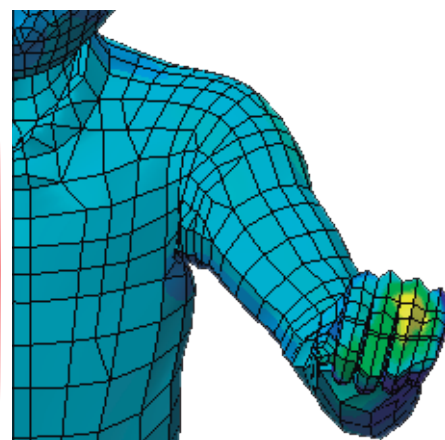
V-TECH TOURING SCREEN



HANDS & ARMS PRESSURE COMPARISON



ARMS & HANDS PROTECTION



ARMS & HANDS PROTECTION



LOW PRESSURE

HIGH PRESSURE