



SENSIBILISER



PRÉVENIR



CORRIGER



PROTÉGER



SECOURIR

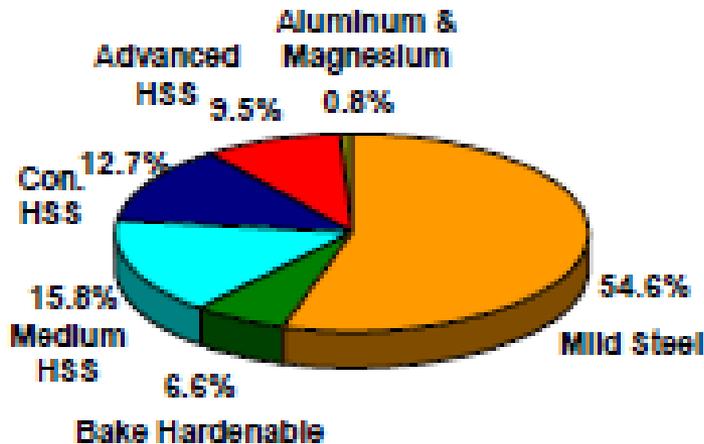
Titre : Evolution Aciers

Jean-Charles FRANCONVILLE
Référent Simulation Numérique Emboutissage
DIPVE Dpt 65307



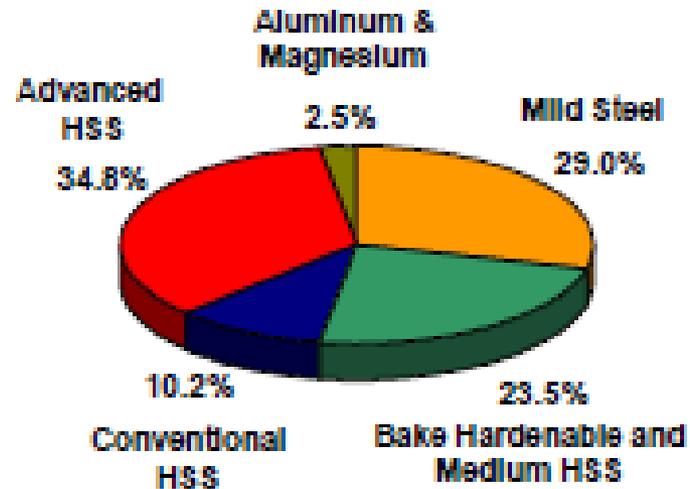
Body and Closure Metallic Material Content by Type

2007



850 Pounds

2015



800 Pounds with an Equal Footprint to 2007

Advanced HSS

Très Haute Limite Elastique → 400 Mpa < Re min < 600 Mpa

Extra Haute Limite Elastique → 600 Mpa < Re min < 800 Mpa

Ultra Haute Limite Elastique → 800 Mpa < Re min

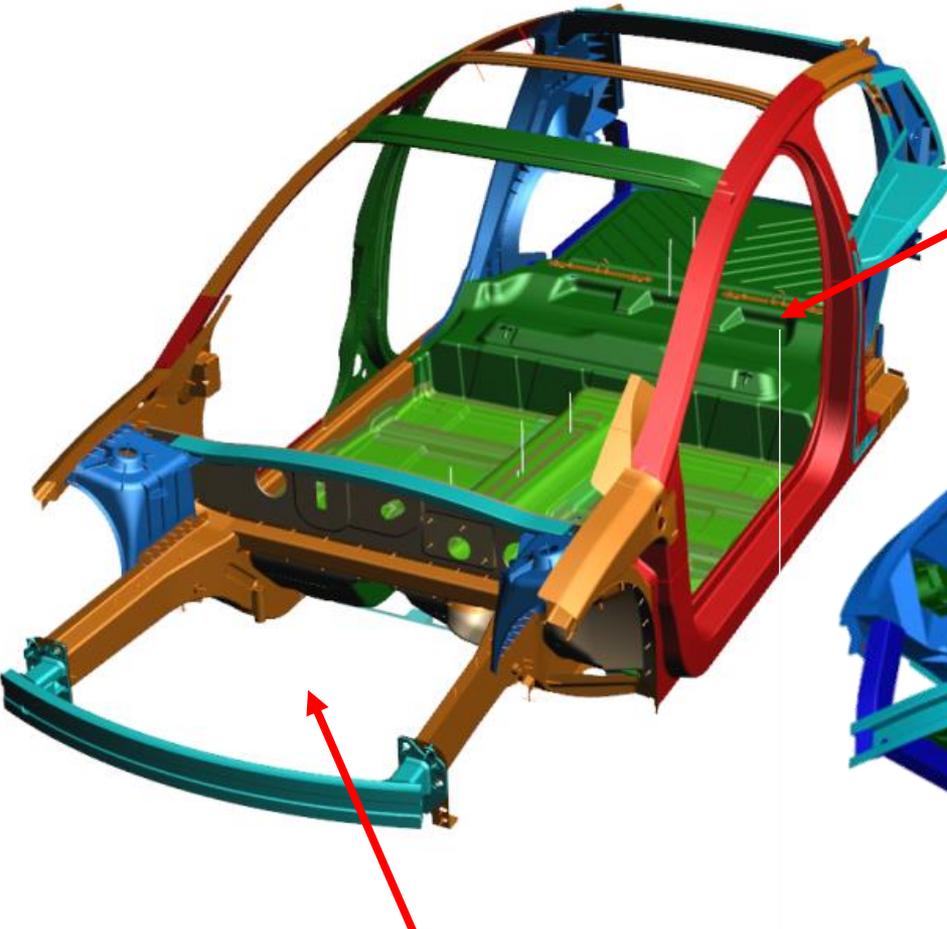
RENAULT

ADVANCED
HIGH STRENGTH
STEELS (HSS)

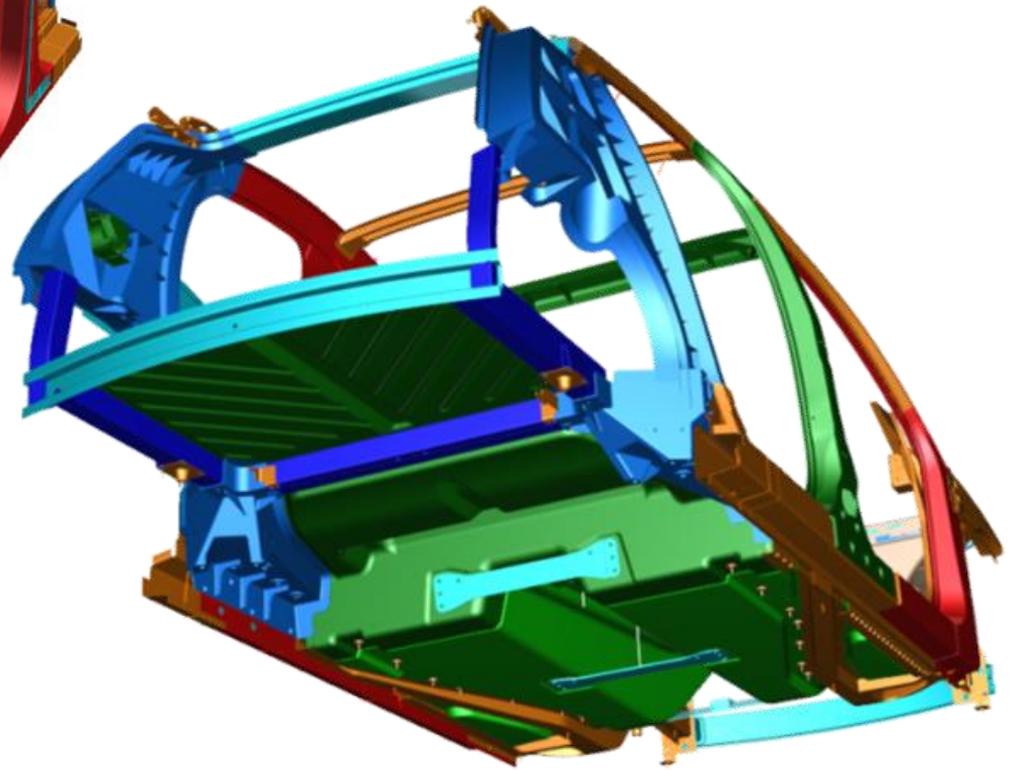


SECOURIR

PRESERVATION STRUCTURE HABITACLE
(Pas de déformation / intrusion pendant le crash)



FORTE ABSORPTION D'ENERGIE



LOGO SDIS

8 avril 2015

Séminaire Sécurité Tertiaire

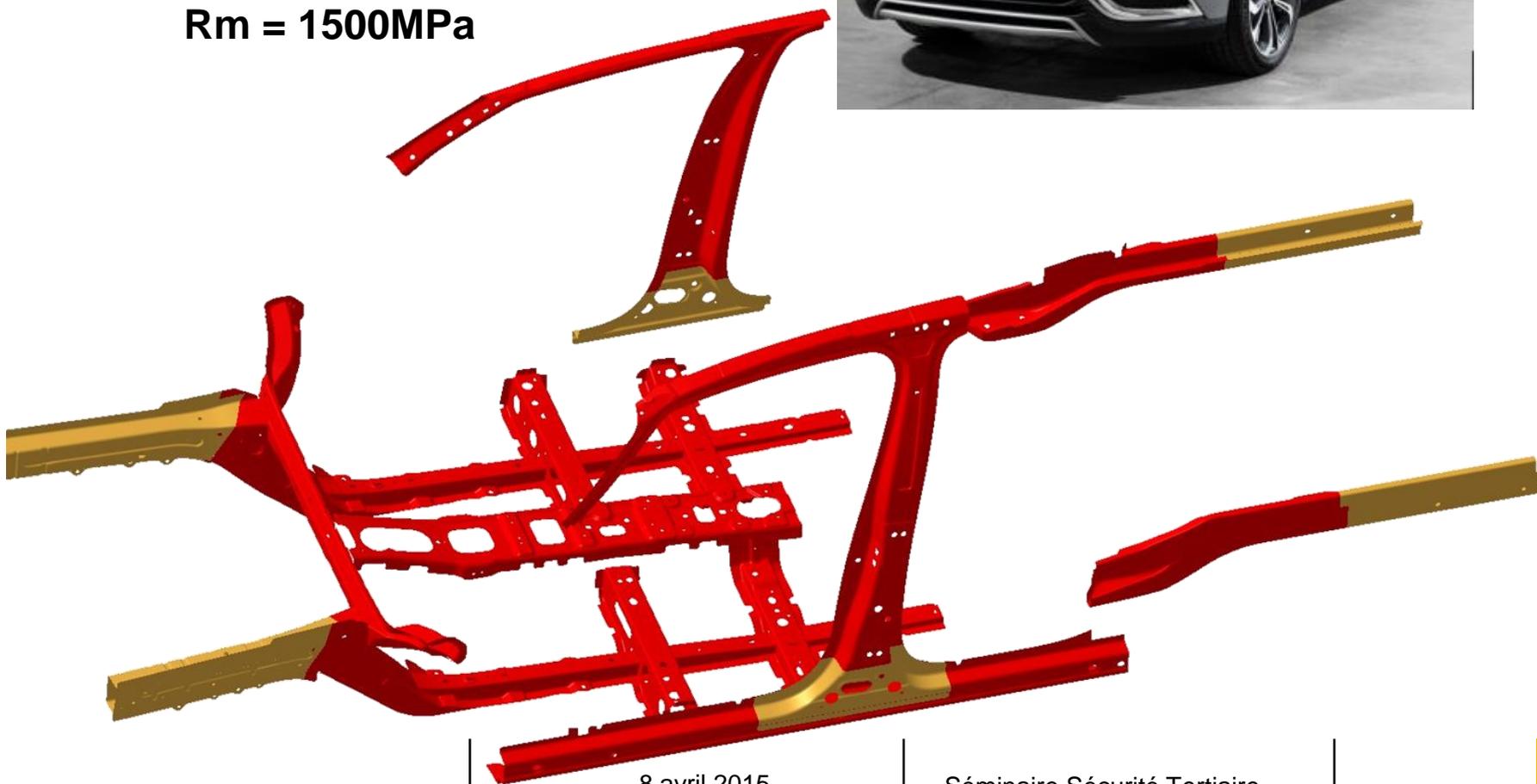


Nouvel Espace

En rouge: 22MnB5 Trempé
Rm = 1500MPa



SECOURIR



8 avril 2015

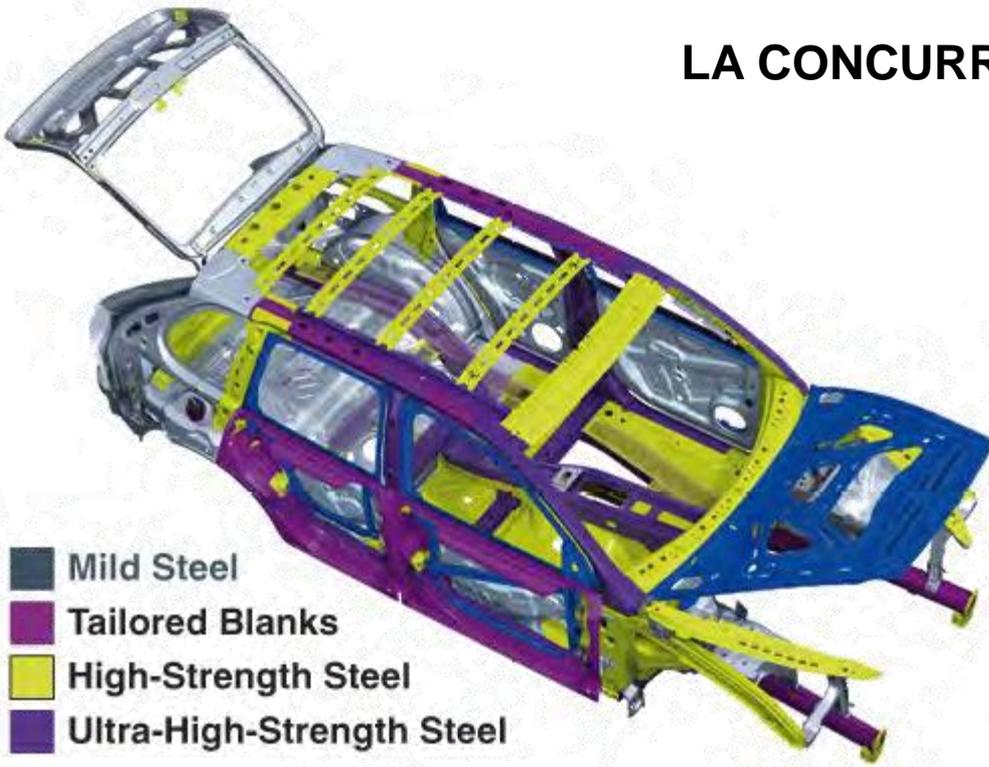
Séminaire Sécurité Tertiaire



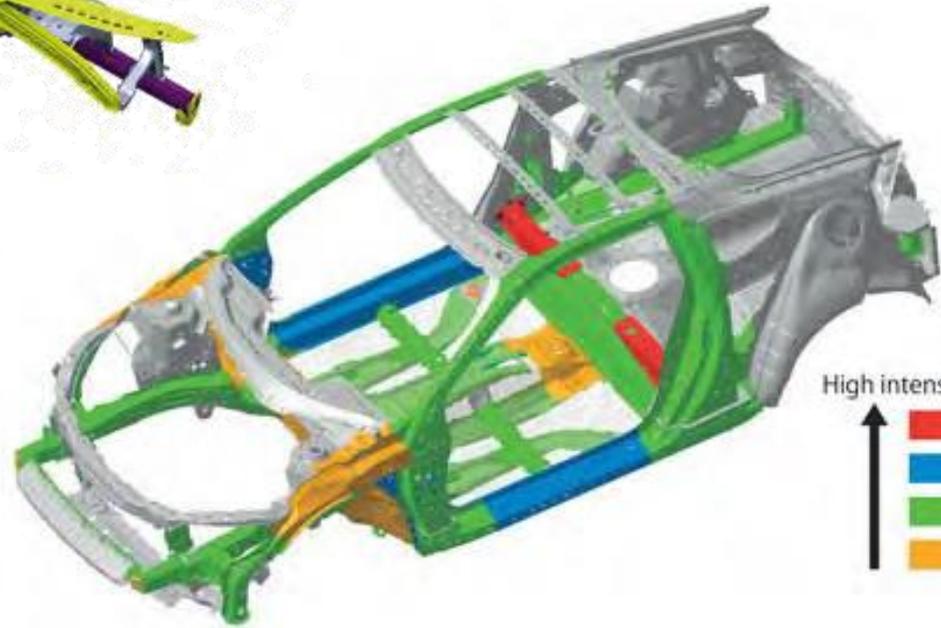
LA CONCURRENCE



SECOURIR



- Mild Steel
- Tailored Blanks
- High-Strength Steel
- Ultra-High-Strength Steel



- High intensity
- 980MPa Class
 - 780MPa Class
 - 590MPa Class
 - 440MPa Class

