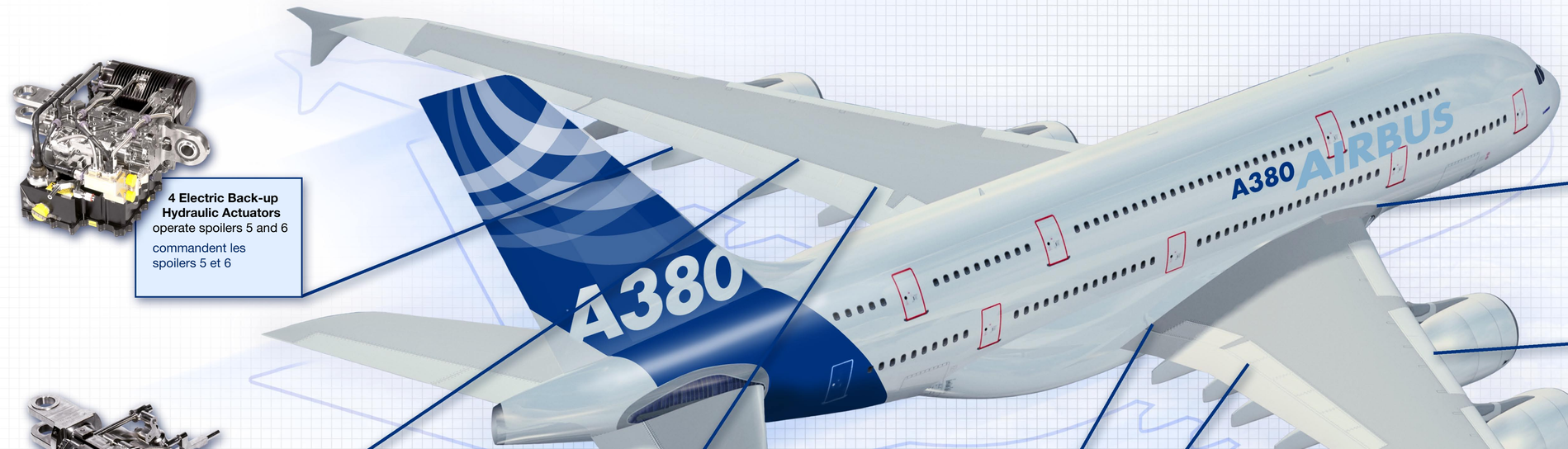
On Board A380:

Actuation made by Liebherr-Aerospace.

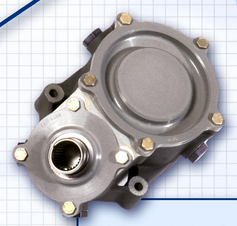


4 Electric Back-up Hydraulic Actuators
operate spoilers 5 and 6

commandent les spoilers 5 et 6

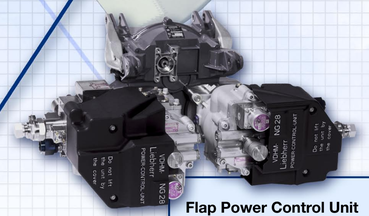
12 Servo Control Actuators
hydraulically control the movement of the spoilers

commandent hydrauliquement les mouvements des spoilers



18 Transmission Gearboxes
use bevel gears to adapt the transmission system to the installation space inside the wing

utilisent des pignons coniques pour adapter le système de transmission à l'espace réduit où les boîtiers sont installés

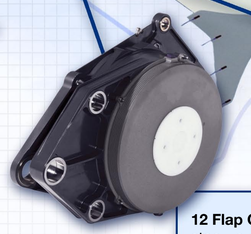


Flap Power Control Unit
drives flap system; located in landing gear well

fournit la puissance hydraulique nécessaire aux volets – situé dans le puits du train d'atterrissage

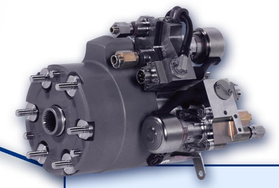
110 Transmission Shafts
made of carbon-fiber composite materials transmit and distribute motion

fabriqués en fibre de carbone, transmettent et distribuent le mouvement



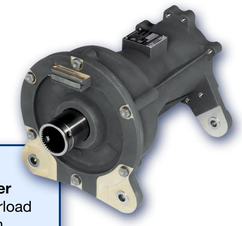
12 Flap Geared Rotary Actuators
step-up gear unit to operate the wing flaps

entraînent le boîtier de transmission actionnant les volets



2 Flap Wing Tip Brakes
brake the drive system in case of failure and prevent unwanted runaway behavior

freinent le système d'entraînement en cas de dysfonctionnement et évitent les pertes de contrôle de l'avion



4 System Torque Limiter
prevent mechanical overload of the shaft transmission

préviennent les surcharges mécaniques des arbres de transmission

24 Slat Actuators
handle flap extension (three sizes)

commandent le déploiement des becs de bord d'attaque (trois tailles)

LIEBHERR