

technology transfer programme

DOWN TO EARTH

How space technology improves our lives



Contents _____









→ Motor industry	
Airbag sensors from space technology	
Space technology to soothe convertible ride	
Spacecraft docking technology improves quality of vehicle assembly proce	ess 1
→ Civil protection	
Dam protection using space technology	
Electronic 'nose' sniffs fire hazards	10
Better flood prediction using satellite navigation technology	12
Maintenance and inspection: from space to playground	
High-resolution deformation monitoring at lower cost	
Saving lives with satellite navigation data	2.
. 15 8a 6.	
Health Removing biocontaminants from air using plasma	26
Removing biocontaminants from air using plasma	
Removing biocontaminants from air using plasmaAthlete training aid	2
Removing biocontaminants from air using plasmaAthlete training aid	20
Removing biocontaminants from air using plasma	2- 30 3
Removing biocontaminants from air using plasmaAthlete training aid	2- 30 3
Removing biocontaminants from air using plasma	2- 30 3
Removing biocontaminants from air using plasma	
Removing biocontaminants from air using plasma	







→ Natural resources	
Space radar to improve mine safety	42
Releasing pressure on water management	44
Space technology monitors mining trucks and giant excavators	46
Space technology helps to find natural resources	48
Better hams with space technology	50
→ Navigation and communication	
Digital television using space software	52
Racing Alonso and Hamilton in real time	54
Public transport on demand	56
Saving fuel and safeguarding the environment with smart drivingdriving	58
Social networking via satellite	60
→ Security	
Detecting 'dirty' bombs with gamma-ray technology	62
Satellite techniques to monitor offshore oil and gas fields	
No chance for hidden guns	
Eye-screen system displays information in front of wearer's eyes	
Satellite tracking makes transport of hazardous waste safer	
Low-cost security monitoring using satellite telecommunications	
Space technology secures construction site machinery	
, , , , , , , , , , , , , , , , , , , ,	