produkcja mænjo fæktjarn gninutaeiunem ec Kosmiczna technika lotnicza stadsoelea, earaspers coś komuś, przydzielać ewenzγzyq ibedm∧s' et nıθm∧s to award sth to sb tu a'wo:d lądownik/i 132 landing craft 'lændin kra:ft (ASU) bodosS Midwest midwest Srodkowy 120 remarkably rimarkabli niezwykle symbin rekonfigurować coś (1)epit nexin, et dis eruginoser et est emocjonalna więż emocjonalne przyciąganie, emotional pull I'maufnal pul na cos, metoda na zrobienie czegoś qosods liguivs, ne zuntu uas jo sueeu zzi w końcu 126 ultimately 'Altimatii ostatecznie, x məbəlbzw bod ve sm:si ni X io smisi ni est znaczącego, pikuś 124 small beer small bie cos mato wcześniejsza rezerwacja 123 advance booking ad'vains 'boking nieważkość · seuseprew, ssaussapplem zzr przed rzeczownikiem) całego życia (np. przygoda) (tylko nis once-in-a-lifetime wans in a laiftaim erguebly 'q:gluebli zapewne, możliwe Neszablonowy 118 mayerick imæverik niepokorny, (np. na rynku) (pot.) na big hitter big hita(r) poważny gracz a nie robota, maszyny itp.) (przyczynek do czegoś jakiejś osoby, m human touch hjumen tail ludzka reka prywatne przedsiębiorstwo rie private enterprise 'praivit 'entepraiz nezczkuść kawałek czegoś dla siebie ov or seven zarobić na czymś popularnym,

to get a piece of the action to get a piece

entrepreneur pntrepreneur przedsiębiorca

pany (founded in 2002). SpaceX aerospace \*\* manufacturing \*\* comcontract to develop it tom Hlon Musk's 2021, NASA awarded the USD 2.9 bln (Human Landing System), and in April do that, they will need a landing craftiza the Moon, possibly as early as 2024. To woman and first person of colour on Artemis program plans to land the first

87 nuclear fission 'njurklia(r) 'film rozszczepienie se plentiful 'plentifi obfity qotosi quefezia eqotosi 28

(netan) metyta meinetti muinettif es (XU) muinimule meinim elis, muinimuls \*\* jądrowe

zəubem weiz:iu,bæw wnjsəubem 16 oo calcium 'kælsiam wapn

as silicon salaken krzem

(pierwiastek) ziem rzadkich letem intermile' 0:8 (1) 691 framelle direction metal

e development di'velapmant rozwijanie, extremely ik strimil ogromnie, niezwykle

90 electric vehicle 1'lektrik 'viriki pojazd elektryczny tworzenie

v nnmanned , An'mænd bezzałogowy

98 busily bizili pracowicie

100 undiscovered , Andr'skaved nieodkryty 20 sample sampl próbka

elastance 'shostance tu; substancja

spożytkować coś, użyć sinf et findenns' tog et esu of nts tud of 201 (chemiczna)

us czymé, przekształcić coś w gotówkę to monetise sth te 'mnnitaiz 'snmbin zarobić

czegoś), umiejętność ob .qn) Seonlobs intil sdolność (np. do

100 ponutà, paque akarb, lup plony/żniwa w jakiejś postaci, zbierać coś to harvest sth to harvest sambin zbierac

to accelerate sth tu ak'selaren 'sambin

advances in sth advantar in sambin postepy przyspieszyć coś

computing kem plurun obliczenia w czymś/jakiejś kwestii

110 robotics reα'bbtiks robotyka (komputerowe), informatyka

m affordable əˈfɔːdəbi przystępny, dostępny

nie dziwi, że..., nic (więc) dziwnego, że... 1 sit is no surprise that... It is no se prais δæt ns sophisticated səˈfɪstɪkeɪtɪd wyrafinowany

> preneurs who are looking to get a piece thatms it is not just governments but entremore sophisticatedus, it is no surprise then nar exploration safer, more affordablem and in se computing 100 and robotics 110, making luty106 has been accelerated toy by advances capability104 to harvest105 the Moon's bouncould be put to useroz and monetisedros, The will find undiscovered to substances that dust samples99. There is also a chance they cles have been busilys collecting rock and which is why many unmanned or lunar vehisuch as electric vehicless and solar panels, developments of green energy solutions Such resources are extremely useful in the nesium,, siliconsz and rare earth elementss; in aluminiums, titanums, calcium, magin nuclear fissions. The Moon is also rich tue Moon and which can be used isotopess which is rare on Earth but plenti-

## Private Enterprise<sup>116</sup> and the Human Touch<sup>117</sup>

of the action 415.

terms of 25 the scale of the ambition. ever, is still small beerts, financially, and in over 600 advance bookings123, This, howet, have already secured USD 80 mln from timated to cost up to USD 400,000 a tick-Proposed flights with Virgin Galactic, esness122 and view of the Earth from space. menus, the the experience weightlesserate commercial flights offering once-in-ais arguably 120 winning the short race to oprace. British maverick<sup>119</sup> Richard Branson mercial world have joined the latest space Three of the biggest hitters in the com-

from the Apollo II landing, The MASA living, the oldest being Buzz Aldrin (91) and the 1930s. Of those, only four are still America's Midwestra, born in the 1920s on the Moon. All were white men from only 12 people have ever stepped foot what NASA intends to do. Remarkably 130, us reconfigureize that statement, which is of landing a man on the Moon, But let tion, there is still a strong emotional pulities vide a practical means of it lunar explora-Mars, and while robots pro-The big target remains the Moon and