




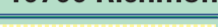


<p>1000</p> <p>按摩請人</p> <p>HIRING for Massage</p> 	<p>*高檔按摩老店</p> <p>Memorial 附近多年店, 環境舒適, 客戶素質好, 大費80, 小費高</p> <p>招有執照, 報稅, 50歲以下, 形像好, 做工好, 不是差的長短女工.</p> <p>電: 346-504-5118</p>	<p>*德州 Katy 老美區</p> <p>誠聘女按摩師, 全工或半工均可, 大費高、小費好, 生意穩平均6-8個工, 會簡單英文, 做工好年齡55歲以下, 誠實守信, 有工卡能報稅, 可住家, 有德州執照優先。小黃手、非誠勿擾!</p> <p>意者電: 832-807-3106 未接必回</p>	<p>*7年正規床店請人</p> <p>45公路往南方向, 36出口, 離中國城40分鐘。</p> <p>全職6天, 兼職3~5天, 提供住宿有廚房, 能做大力有執照者優先。</p> <p>832-417-4410 (做黃勿擾)</p>	<p>*邊學習邊工作, 你的不二選擇!</p> <p>學按摩賺錢, 請來 AATMB</p> <p>政府認證學校, 教資深厚, 彈性學習時間, 收費合理, 中英文授課。</p> <p>詳情: www.AATMB.com</p> <p>713-474-5824</p>
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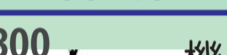


 <p>1000</p> <p>Massage Service</p> <p>按摩服務</p>	<p>*凱悅*</p> <p>實惠的價格</p> <p>輕鬆的享受</p> <p>832-359-6141</p>	 <p>按摩服務</p> <p>Massage Service</p>	<p>Tiffany SPA 會所</p> <p>快樂無限 激情有約</p> <p>美女如雲 技術一流 環境舒適</p> <p>私屬空間 水床服務 星級享受</p> <p>越南城 TX 77072</p> <p>聯系電話: 832-941-7212</p>	
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 <p>沙龍按摩店售</p>	<p>開業兩個月的按摩店出售 4個單人房間, 一個雙人房間, 3個腳床, 三個干壓床, 房租\$3000+管理費\$880, 6734 Westheimer Lakes North Dr # 104 Katy, TX 77494 賣價: 7萬, 電話: 626-492-6368</p>	 <p>信用貸款</p>	<p>京華貸款 個人&公司信用貸款 15-30 萬, 無抵押, 無擔保, 無需身份, 秒到賬. 合法回國資金支持 詳情請電: 917-434-2022</p>	 <p>Certificate 食品安全證照&考試</p>	<p>食品安全經理證 level 2 課程&考試 JFE Franchising Inc. 將開放食品安全經理證課程及考試報名 證照: 食品安全經理證課程 level 2 (有效期5年) 日期: 1/28/2022 (周五) 9 AM~2 PM</p>
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<p>1000</p>  <p>招生 招生</p> <p>Registration</p>	<p>教授英文&西班牙文 本地美國人,資深英語家庭教師,教授日常美式會話、商業及旅遊用語,個人或集體均可。 *** 協助通過公民考試及移民局面談 *** skype: david.b.browning / Wechat: Teresina1only 832-788-3383 281-587-6912 布朗寧 5338 Beechnut St. Houston, TX 77096 http://davidbrowning.trustaff.org</p>	<p>公民入籍考試輔導班 保證通過 * 由專業入籍考試輔導老師一對一教學輔導 * 提供最新入籍考試基本試題、模擬考題、仿真練習,讓您100%通過 * VIP 級別輔導,時間靈活,循環輔導,依照學員的基礎量身定制 * 面試由專業律師陪同 歡迎電話諮詢: 713-815-5011 / 832-279-7772 10700 Richmond Ave. STE 230, Houston, TX 77042</p>	<p>對像: 任何成人皆可報名 地點: 2021 Bingle Rd. Houston, TX 77055 價格: \$199 電話: 832-629-8740 E-mail: ben.chu@jfefood.com *請提供你的 全名,電話及Email *報名和詢問可用中文,但課程及考試皆為英文</p>
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 <p>Defensive Driving</p>	<p>謝老師 (MT 駕校)</p> <ul style="list-style-type: none"> ● 交通安全班 (取消罰單) ● 成人中文筆試: 天天路考 (兩天取得駕照) ● 青少年駕照班 <p>~~~十八年專業教學經驗~~~</p> <p>832-863-8882</p>	<p>1000 駕駛學校</p>  <p>Driving School</p>	<p>美南駕校</p> <p>疫情期間有中文網絡筆試課, 取消罰單課, 發證書</p> <p>美南駕校是官方指定考點, 天天有路考。旅遊簽證等各種簽證可以考駕照。青少年班隨時上課。</p> <ul style="list-style-type: none"> ● 成人筆試班: 周二, 六 10am-4:30pm ● 取消罰單安全班: 周六, 周日有課 <p>7001 Corporate Dr #203</p> <p>282-273-7222 王老師</p>	<p>DPS 指定王朝駕校路考第三考場</p> <p>DPS 路試考官, 全權下放至百利駕校教練考路試。</p> <p>在本校一天可完成筆試,</p> <p>取得 permit 後可安排路考, 不用排隊等 30 天</p> <ul style="list-style-type: none"> ● 筆試班: 每星期一至六上課, 務必預約。 ● 路考班: 務必預約。 考路試, 務必預約。 ● 安全班: 隨時開課。 開課, 務必預約。 <p>電話: 832-633-5555 周師傅</p>
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<p>房產經紀 Realtor</p> 	<p>房地產經紀人 Kate Zhang</p> <ul style="list-style-type: none"> ● 個人房屋買賣 ● 商業房產買賣 <p>微信: 15042558967 電話: 917-378-5316</p>	<p>報稅服務</p>  <p>W-2 TAX 報稅</p>	<p>***** 報稅 *****</p> <ul style="list-style-type: none"> ● 報個人稅, 公司稅 ● 公司做帳 <p>地址: 美國財富會計樓 6348 Corporate Dr, Houston, TX 77036 打電話或短信: 917-378-5316</p>	<p>專收購舊車壞車 舊、壞車 動或不動 一律高價收購 中英粵越。電話: 713-482-9267</p>  <p>車輛買賣 Car for sale</p>
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Realtor 電話: 917-378-3316 板仇服務	打電或應: 917-378-3316 Car for sale 917-321-0207			
800  機場接送 Transportation	北夏接送服務 機場,碼頭,一切接送 誠信可靠, 安全準時 保證最低價 有4人7人座服務 800-322-5215	 跌打傳人中醫 坐骨神經 肩周炎 7001 Corporate Dr #213A, Houston 請電: 713-732-0300	 省電節能 Energy Company	商業大樓,免費置換新屋頂 免費太陽能 聯邦稅務 Credit 2021年-26% 2022年- 22% 太陽能設備總額 85% 5年內全額稅務折舊共抵扣111% 5年內 電話: 832-322-0300

<p>Transportation</p> <p>832-382-5645</p> <p>全有神經,肩周炎</p> <p>電話: 713-772-0300</p> <p>Energy Company</p> <p>電話: 832-888-2299</p>	 <p>德州帶槍執照 中國城軍火庫 可在全美38州攜帶 全課程半天完成\$100 (外州駕照可申請) 各式槍枝買賣/交換 9896 Bellaire #G1 (黃金廣場內)</p> <p>Gun License 申請帶槍執照</p>	<p>單身的你(妳), 何不主動出擊, 爲自己創造更多的機會 !!!!</p> <p>在有限的生命中, 尋找自己的未來及幸福!! Call/Email to Nicole</p> <p>廣告專線: 281-498-4310 或 Email cla@scdaily.com 美夢就會成真</p>
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	<p>裝修設計</p>	<p>專業住宅裝修 20多年的裝修經驗 櫥櫃, 檯面, 油漆, 木工 地板, 地磚, 門窗, 圍欄 水電等... 質量保證, 免費估價</p>	<p>老廣裝修 木工, 泥水, 油漆 地板, 水電, 間隔改建 經驗豐富, 手工好! 電話: 319-988-6868</p>	<p>福美裝修 價格公道, 質量保證, 保修二年, 專業承接各種 新舊住宅, 商業店鋪, 單包/全包均可。 水電, 空調, 磁磚, 地板, 廚房/衛生間翻新 319-988-6868 中文</p>	<p>惠家裝修 專業裝修, 舊屋翻新 地板門窗, 廚衛改造 內外油漆, 水電空調 價格合理, 保證質量 電話: 346-383-1087</p>	<p>隨叫隨到裝修 專業漏雨 屋頂翻新 室內外裝修 20年經驗 免費估價。 大小工程, 百萬保險 346-383-1087</p>	<p>浙江大余裝修 公司, 住宅, 地板, 地磚, 內外油漆, 廚浴改建, 鋪草皮, 修換圍欄 餐廳翻新, 高壓沖洗, 大小工程, 價格合理, 質量保證。 余: 929-392-5818</p>	<p>榮盛裝修 商業住宅, 水電木工, 地磚地板, 浴室櫥櫃, 內外油漆, 大理石安裝, 小修小補。 質量第一, 誠信價優! 請電: Sam 劉</p>
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Remodeling	917-214-8738	346-503-7037	832-903-1333 英粵	713-828-5513	713-269-9582	eng: 646-925-9275	832-606-7672
恆豐裝修公司 台灣專業,政府註冊, 承接:舊屋翻新,水槽,籬笆, 涼棚,屋頂隔斷,補漏,廚櫃 安裝,木工隔間,磁磚,實木 樓梯,木地板,廚浴改建, 內外油漆,屋內外全部工程	誠實裝修 內外油漆,屋頂補漏 水電木工,籬笆水槽, 安裝更換熱水爐, 多年經驗,價格合理, 質量保證. 請電: 361-460-4530	潮江裝修 廚廁改建,地板磁磚 內外油漆,木工水電 廚櫃理石,檯面安裝 香港師傅,專業守信 請電:陳師傅 832-629-2688	順發裝修 地板人工 90¢/呎 地磚磁磚,紗窗紗門, 換熱水爐,室內外油漆 二樓樓梯圍欄, 精優價廉,以上工程, 保修2年.(訂做按摩床)	蘇揚建築裝潢 價格公道,質量保證 房屋,廚房,衛生間裝修 地板,磁磚,大理石面安裝 電氣焊,鐵欄杆安裝維修 車庫門,自動門安裝維修 水電,空調,安裝維修 832-607-7861 張	永發裝修公司 政府註冊,百萬保險, 30年經驗,一條龍服務 承接:商業/條龍/住宅 精通土木,地板,水電,油漆 保修一年,價格公道, 經驗豐富,保證質量. 646-713-4928 吳	天天裝修 舊房翻新,內外油漆, 地板地磚,衛浴改建, 櫥櫃台面,欄欄修建, 高壓衝洗,室內清潔, 價格合理,質量保證. 提供商業保險 招熟練工人,需有合法 身份,薪酬優厚	吳氏專業裝修 執照# LI 0019006 庭園澆水,庭園設計,籬笆 內外油漆翻新,涼棚涼檯 洗衣機,乾衣機,洗碗機, 水龍頭,地板,地磚,廚浴, 更新,水務維修,電路修換

832-366-7510 洪國台	832-866-2876	誠聘裝修師傅	281-323-9938 王順	●誠請裝修工人	832-207-2626	713-371-2713 戴師傅 832-818-3185 國粵語
盛家裝修 住宅/餐館: 廚房台面, 地磚, 地板, 樓梯, 內外油漆, 水電木工維修, 衛生間改造 噴架涼棚, 籬笆水槽, 質量第一和保證誠信	正翔屋頂/裝修 專業住家, 屋頂換新, 房屋翻修, 廚浴改建, 商業住家, 水電維修, 內外油漆, 籬笆車道, 灑水系統, 經驗豐富 832-998-5898	廣東和記裝修 大小工程, 油漆間隔, 泥水木工, 地板門窗, 天面地台, 廚房浴室, 水電修理, 通坑渠, 免費估價, 價廉保質. 832-909-3658 粵	<div> <p>700</p> </div>  <div> <p>修理業務</p> </div>	<div> <p>*** 萬福 • 裝修公司 ***</p> </div> <div> <p>政府註冊. 承接各種大小工程, 有多年經驗豐富裝修師傅。</p> </div> <div> <p>您的房屋改造, 櫥櫃, 門窗, 浴室, 內外油漆, 地板磁磚, 冷疑氣, 水電維修, 水泥路面, 車庫, 外牆等..</p> </div> <div> <p>有專業裝修師傅, 就是您的質量保證</p> </div> <div> <p>誠信為本, 價格公道. 免費估價.</p> </div>	<div> <p>宏達建築裝修公司</p> </div> <div> <p>政府註冊. 百萬保險. 15 年經驗</p> </div> <div> <p>承接: 商業/住宅 的</p> </div> <div> <p>翻新與改造等工程.</p> </div> <div> <p>誠信為本價格公道, 另招裝修師傅</p> </div> <div> <p>中英 Andy 801-739-5866</p> </div>	

832-282-8746 李	王 (國/台語)	832-909-3686 國	Remodeling	電話: 832-380-1166 劉師傅	中 蘇師傅 832-359-2367
佳寶建築公司		專做居家小活		誠信裝修	
本公司是一家大型建築公司		修補牆面、油漆、		大理石、廚櫃、衛生間改建、磁磚、地板、	
擁有各類大型建築設備及水電 A/C 等...		翻新衛生間、廚房、房間改造、疏通上下水		內外油漆、涼棚、圍欄及屋頂漏雨、	
專業執照、施工團隊、		更換熱水器、漏水、庭院等等....		工廠訂做、塑鋼門窗、雙層玻璃(特約)	
專精大型倉庫、Shopping Center 等大型建築		居家小活統統都做、		工廠直銷 實木地板、復合地板、塑膠地板、	
從選址、設計、請照、施工 一條龍服務。		713-429-2685		專業屋頂、噴花、保溫棉、質量第一、誠信為本、	
百萬保險+質量保證+價格最低				專業屋頂、噴花、保溫棉、質量第一、誠信為本、	
				十本建築專業 保修二年 ●請裝修師傅	
				美滿裝修	
				22年經驗,專精商業住宅	
				理石廚櫃,地板,磁磚,浴室改建,內外油漆,	
				門窗,水電,涼棚,圍欄及屋頂翻新.	
				誠信+優惠+專業 特價 & 保修二年	

聯系電話: 281-886-8888 702-888-5518		歡迎來電: 832-630-1850 田師傅 832-419-5588 張 ●另請工人	
			
<p align="center"> JDRCH General Contractor 今第建築裝飾+設計+繪圖 各類餐館、甲店、家庭開工圖紙 專業室內設計, 3D 效果圖。20 年以上設計經驗, 多州建築師執照, 政府註冊, 1.5 千萬保險。 專業施工團隊承接: *餐館 *甲店 *商業 *廠房 </p>		<p align="center"> 裝修設計 兄弟建築公司 832-860-1133 承接各類餐廳, 美容院, 奶茶店, 辦公室, 廠房等設計, 施工建造, 及住宅維修和翻新, 免費估價, 最低成本, 最佳質量, 百萬保險! 選址: 商業租賃, 為您的生意精選最佳地點, 最佳鋪位。 設計: 施工圖, 3D 效果圖設計, 申請施工 PERMIT。 建造: 裝修裝潢, 專業執照工程隊伍施工, 品質保障。 6100 Corporate Dr. Ste 315, Houston </p>	

建築設計 裝修繪圖 專業施工團隊 設計 監工 中心 向來 誠信 832-779-5888 劉小姐 www.jdnys.com		Remodeling 5100 Corporate Dr. Ste 510, Houston www.usbrothersconstruction.com	
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Inside C2

Southern DAILY

Make Today Different

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Putin accuses U.S. of trying to lure Russia into war

KYIV/MOSCOW, Feb 1 (Reuters) - Russian President Vladimir Putin accused the West on Tuesday of deliberately creating a scenario designed to lure it into war and ignoring Russia's security concerns over Ukraine.

In his first direct public comments on the crisis for nearly six weeks, a defiant Putin showed no sign of backing down from security demands that the West has called non-starters and a possible excuse to launch an invasion, which Moscow denies. "It's already clear now ... that fundamental Russian concerns were ignored," Putin said at a news conference with the visiting prime minister of Hungary, one of several NATO leaders trying to intercede with him as the crisis has intensified.

Putin described a potential future scenario in which Ukraine was admitted to NATO and then attempted to recapture the Crimea peninsula, territory Russia seized in 2014.

"Let's imagine Ukraine is a NATO member and starts these military operations. Are we supposed to go to war with the NATO bloc? Has anyone given that any thought? Apparently not," he said.

Russia has massed more than 100,000 troops on the Ukrainian border and Western countries say they fear Putin may be planning to invade.

Russia denies this but has said it could take unspecified military action unless its security demands are met. Western countries say any invasion would bring sanctions on Moscow. The Kremlin wants the West to respect a 1999 agreement that no country can strengthen its own security at the expense of others, which it considers at the heart of the crisis, Foreign Minister Sergei Lavrov said. read more

He raised the charter signed in Istanbul by members of the Organisation for Security and Cooperation in Europe, which includes the United States and Canada, during a call with U.S. Secretary of State Antony Blinken.

Lavrov said Blinken accepted the need to discuss the matter further whilst a U.S. account of the call focused on the need for Moscow to pull back.

"If President Putin truly does not intend war or regime change, the Secretary told



Foreign Minister Lavrov then this is the time to pull back troops and heavy weaponry and engage in a serious discussion," a senior State Department official told reporters. read more

‘INSTRUMENT’

Putin had not spoken publicly about the Ukraine crisis since Dec. 23, leaving ambiguity about his personal position while diplomats from Russia and the West have been engaged in repeated rounds of talks. His remarks on Tuesday reflected a world view in which Russia needs to defend itself from an aggressive and hostile United States. Washington is not primarily concerned with Ukraine's security, but with containing Russia, Putin said.

"In this sense, Ukraine itself is just an instrument to achieve this goal," he said.

"This can be done in different ways, by drawing us into some kind of armed conflict and, with the help of their allies in Europe, forcing the introduction against us of those harsh sanctions they are talking about now in the U.S."

Hungarian Prime Minister Viktor Orban, who has often sparred with Western European leaders over democracy in his own country, said he believed after his talks with Putin that there was room for a

compromise.

"I got convinced today that the existing differences in positions can be bridged and it is possible to sign an agreement that would guarantee peace, guarantee Russia's security and is acceptable for NATO member states as well," Orban said.

GUN TO UKRAINE'S HEAD

Western countries have rushed to show solidarity with Ukraine. British Prime Minister Boris Johnson met President Volodymyr Zelenskiy in Kyiv and accused Putin of holding a gun to Ukraine's head to demand changes to the security architecture in Europe.

"It is vital that Russia steps back and chooses a path of diplomacy," Johnson said. "And I believe that is still possible. We are keen to engage in dialogue, of course we are, but we have the sanctions ready, we're providing military support and we will also intensify our economic cooperation."

Johnson said any Russian invasion of Ukraine would lead to a military and humanitarian disaster.

"There are 200,000 men and women under arms in Ukraine, they will put up a very, very fierce and bloody resistance," he said. "I think that parents,

mothers in Russia should reflect on that fact and I hope very much that President Putin steps back from the path of conflict and that we engage in dialogue."

Polish Prime Minister Mateusz Morawiecki, also visiting Kyiv, said Poland would help Ukraine with gas and arms supplies, as well as humanitarian and economic aid. read more

"Living close to a neighbour like Russia, we have the feeling of living at the foot of a volcano," said Morawiecki.

Zelenskiy, who has repeatedly played down the prospect of an imminent invasion, signed a decree to boost his armed forces by 100,000 troops over three years. He urged lawmakers to stay calm and avoid panic.

The troop increase was "not because we will soon have a war ... but so that soon and in the future there will be peace in Ukraine," Zelenskiy said.

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WEA LEE'S GLOBAL NOTES

02/01/2022

Spring Is Coming

This morning when I opened the front door, a bouquet of bright sunshine came in. It was a little warm in Texas. We felt that the springtime is coming.

Many immigrants came to this land from so far away. The sound of drums brought us back to our childhood memories. Over the last century, many people from around the world have settled down here and now call America their home.

Houston Mayor Sylvester Turner continues to recognize the great contributions of the Asian American people to our



country, especially when we are celebrating the Lunar

New Year, and his message is very clear.

The warmth of the spring breeze shows that the flowers are about to bloom. It represents new vitality and strength.

Today public health experts are predicting that the worst is over for the Covid-19 pandemic and it is under control. We deeply appreciate all the hard work that they have done for all of us.

We need to move forward bravely to welcome the Year of the Tiger.

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Publisher Southern Daily Wea H. Lee

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Southern DAILY Make Today Different

Editor's Choice



The casket of NYPD officer Wilbert Mora, who was killed in the line of duty while responding to a domestic violence call, is carried for a wake service at St. Patrick's Cathedral in the Manhattan borough of New York City. REUTERS/Brendan McDermid



A girl sits in front of a bakery in the crowd with Afghan women waiting to receive bread in Kabul, Afghanistan. REUTERS/Ali Khara



Russian Ambassador to the United Nations Vasily Nebenzya attends a meeting of the U.N. Security Council on the situation between Russia and Ukraine, at the United Nations Headquarters in Manhattan. REUTERS/Andrew Kelly



A girl in traditional costume stands amid lion dancers during a Chinese Lunar New Year, Year of the Tiger, cultural celebration in the Chinatown neighborhood of New York City. REUTERS/Mike Segar



U.S. President Joe Biden and Vice President Kamala Harris host Senate Judiciary Committee Chairman Dick Durbin, a Democrat, and the committee's ranking Republican, Charles Grassley to discuss the upcoming U.S. Supreme Court vacancy from the Oval Office at the White House. REUTERS/Leah Millis



A person wearing personal protective equipment walks inside Beijing Capital International Airport ahead of the 2022 Winter Olympics in Beijing, China. REUTERS/Phil Noble

The New Face Of The Final Frontier

The Business Of Space



(Editor's Note: When Virgin CEO Richard Branson and his crew on the Virgin Galactica space airplane reached space last week 50 miles above earth, the achievement, while technologically monumental, was significant in heralding the inescapable commercialization of space and all that means and will become. Branson was upfront about his trip being a personal adventure while at the same time one by which he wanted to tell the public that now is the time to join him in space. But the even larger story is that Branson's ride into space marked the moment at which the dream became reality for an independent business owner, not by the hand of any government, to fly off into space and in just over two hours' time land safely back on earth. Branson's trip opened the door and now commercialization of space has begun./John T. Robbins)

Compiled And Edited By John T. Robbins, Southern Daily Editor

Richard Branson's achievement notwithstanding, today there is reason to think that we may finally be reaching the first stages of a true space-for-space economy. SpaceX's recent achievements (in cooperation with NASA), as well as upcoming efforts by Boeing, Blue Origin, and Virgin Galactic to put people in space sustainably and at scale, mark the opening of a new chapter of spaceflight led by private firms. These firms have both the intention and capability to bring private citizens to space as passengers, tourists, and — eventually — settlers, opening the door for businesses to start meeting the demand those people create over the next several decades with an array of space-for-space goods and services.

Welcome to the (Commercial) Space Age
In contrast to governments, the private sector is eager to put people in space to pursue their own personal interests, not the state's — and then supply the demand they create. This is the vision driving SpaceX, which in its first twenty years has entirely upended the

rocket launch industry, securing 60% of the global commercial launch market and building ever-larger spacecraft designed to ferry passengers not just to the International Space Station (ISS), but also to its own promised settlement on Mars. Today, the space-for-space market is limited to supplying the people who are already in space: that is, the handful of astronauts employed by NASA and other government programs. While SpaceX has grand visions of supporting large numbers of private space travelers, their current space-for-space activities have all been in response to demand from government customers (i.e., NASA).



But as decreasing launch costs enable companies like SpaceX to leverage economies of scale and put more people into space, growing private sector demand (that is, tourists and settlers, rather than government employees) could turn these proof-of-concept initiatives into a sustainable, large-scale industry.

This model — of selling to NASA with the hopes of eventually creating and expanding into a larger private market — is exemplified by SpaceX, but the company is by no means the only player taking this approach. For instance, while SpaceX is focused on space-for-space transportation, another key component of this burgeoning industry will be manufacturing.

Made In Space, Inc. has been at the forefront of manufacturing “in space, for space” since 2014, when it 3D-printed a wrench onboard the ISS. Today, the company is exploring other products, such as high-quality fiber-optic cable, that terrestrial customers may be willing to pay to have manufactured in zero-gravity. But the company also recently received a \$74 million contract to 3D-print large metal beams in space for use on NASA spacecraft, and future private sector spacecraft will certainly have similar manufacturing needs which Made In Space hopes to be well-positioned to fulfill. Just as SpaceX has begun by supplying NASA but hopes to eventually serve a much larger, private-sector market, Made In Space's current work with NASA could be the first step along a path towards supporting a variety of private-sector manufacturing applications for which the costs of manufacturing on earth and transporting into space would be prohibitive.

Another major area of space-for-space investment is in building and operating space infrastructure such as habitats, laboratories, and factories. Axiom Space, a current leader in this field, recently announced that it would be flying the “first fully private commercial mission to space” in 2022 onboard SpaceX's Crew Dragon Capsule. Axiom was also awarded a contract for exclusive access to a module of the ISS, facilitating its plans to develop modules for commercial activity on the station (and eventually, beyond it).



This infrastructure is likely to spur investment in a wide array of complementary services to supply the demand of the people living and working within it. For example, in February 2020, Maxar Technologies was awarded a \$142 million contract from NASA to develop a robotic construction tool that would be assembled in space for use on low-Earth

orbit spacecraft. Private sector spacecraft or settlements will no doubt have need for a variety of similar construction and repair tools. And of course, the private sector isn't just about industrial products. Creature comforts also promise to be an area of rapid growth, as companies endeavor to support the human side of life in the harsh environment of space. In 2015, for example, Argotec and Lavazza collaborated to build an espresso machine that could function in the zero-gravity environment of the ISS, delivering a bit of everyday luxury to the crew.

Visions of a space-for-space economy have been around since the dawn of the Space Age in the 1960s. Thus far, those hopes have gone largely unmet — but this moment is different. For the first time in history, the private sector's capital, risk tolerance, and profit motive are being channeled into putting people in space. If we seize this opportunity, we will look back on 2020 as the year when we started the truly transformational project of building an economy and a society in space, for space.
(Courtesy https://hbr.org)

Related
It Could Could Happen By 2023
Space Miners Want To Blow Up The Moon's Surface To Harvest Water



A rover descending from a Masten lunar lander.

We already use rockets to reach the moon, but soon we may use them to mine it for water. Three companies, including Lunar Outpost, Honeybee Robotics, and Masten Space Systems, are developing a novel system aimed at mining water ice from the moon with rockets, according to a blog post shared on Masten's official website. And it could happen in the year 2023.

A water ice-mining system could cover 12 moon craters per day

The moon's polar regions are thought to contain the most abundant deposits of water ice, especially in the shadowy bottom of larger craters. If future astronauts can harvest this precious material, we might have a shot at building a permanent human settlement on the moon, according to NASA authorities and space travel enthusiasts. More than keep astronauts alive, mining water ice from the lunar surface will enable us to break it down into hydrogen and oxygen, which are the primary ingredients for rocket fuel. In other

words, water ice on the moon could also fuel spacecraft on their way into deep space like a cosmic pit stop.

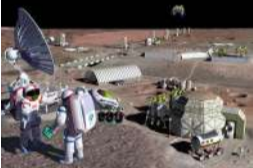


To drive mining technology forward, NASA issued the “Break the Ice Lunar Challenge,” which aims to provide \$500,000 to the most enticing resource-harvesting concepts amid the first phase, which will end soon, the winners of which will be announced August 13. One of the first prize-hopefuls is the Masten-Lunar Outpost-Honeybee Robotics group, pushing forward its Rocket Mining System to use a rocket engine equipped on a 1,800-lb (818-kg) rover. Once the rover moves to an area rich in water ice, the engine will activate, firing lunar gravel and dirt into a low-pressure device capable of sifting the ice from the moon rocks. “This system is projected to mine up to 12 craters per day and produce 100 kg (220 lbs) of ice per crater,” said representatives of Masten in the blog post.

Multiple nations aim to settle the moon

All water ice retrieved from the moon can also fuel rocket engines, enabling the system to function for more than five years. If this concept surpasses all competitors, the rocket mining system will probably get there via a Masten lunar lander. Masten's first mission to the moon's surface will employ its XL-1 lander, and is slated to launch in 2023 atop SpaceX's Falcon 9 rocket. If all goes well, this launch will also lift NASA experiments, in addition to several commercial payloads, to the south polar region of the moon.

Lunar Outpost would design and build the rover for the Rocket Mining System, with Honeybee Robotics employing its PlanetVac technology to extract and move the lunar ice.



Water mining on the moon.
In short, these are very interesting times for the exploration of space. In addition to NASA and related commercial projects, China and Russia plan to jointly build a permanent settlement on the moon, with the former also recently unveiling long-term plans to do the same on Mars. But we wouldn't call this a space race, not necessarily. There's more to be learned from a spirit of friendly collaboration and mutual support than ever before, in the coming decades.
(Courtesy <https://www.weforum.org>)

(Article continues below)

(Article continues from above)
The New Face Of The Final Frontier
The Business Of Space

Compiled And Edited By John T. Robbins, Southern Daily Editor

The Five Industries That Will Be First To Do Business In Space



Companies around the world - in transportation, exploration, energy, construction or hospitality - are all looking upwards for the next growth opportunity. Space is quickly becoming a place where the industries that power our global economy will conduct business. What do we call an economic area like this, that is not limited to a single planet, and no longer has physical boundaries? We can't call it an industry, when private industrial groups can generate revenue and profit not only from the Earth but from near-Earth asteroids (NEAs), the Moon and Mars and beyond. It is simply a medium in which humanity conducts commerce.

Following are the industry sectors that will be the first to take advantage of our expanded economic sphere, and some of the specific opportunities for growth.

Energy

Valued at over \$8.4 trillion and growing at a 4.1% compound annual growth rate, energy is the largest industry on Earth. Humans are prolific energy consumers, and soon there will be more humans in space.

Jeff Bezos, Founder and CEO of Amazon, anticipates “millions of people living and working in space” in the coming decades. Bezos is so confident of this outcome that he is investing more than \$1 billion per year into his space transportation firm, Blue Origin. An in-space population of this magnitude will require enormous amounts of energy to live, work, and transit.



This energy will come from solar power, which is more effective when gathered in

space due to the lack of a filtering atmosphere; and chemical rockets, which will be the primary transportation mechanism for the foreseeable future.

The most efficient chemical rocket propellants are composed of cryogenic liquid oxygen combined with liquid hydrogen or methane. Initially, the propellant needed to fuel the space economy will be launched from Earth, as both the United Launch Alliance (a joint-venture of Lockheed Martin and Boeing) and SpaceX have proposed to do in the near future. However, there is a much more attractive way to source the propellants needed to support a sustained human presence in space: mining it.

Mining

The global mining industry has tumbled in recent years from a market value of more than \$1.6 trillion in 2010, to \$714 billion in 2016, but this may change quickly once the “global” definition of mining is transformed by the emerging space resource industry. Space resources can be extracted from celestial bodies, most notably asteroids and the Moon. Goldman Sachs released a report earlier this year that declared asteroid mining is more realistic than perceived, with costs “comparable to traditional mines”. The Goldman report also noted that “while the psychological barrier to mining asteroids is high, the actual financial and technological barriers are far lower.”

The Government of Luxembourg believes so strongly in this emerging industry it recently created the \$227 million Space Resources ini-

tiative to establish Luxembourg as a European hub for space resources.



Its aim is to contribute to the peaceful exploration and sustainable utilization of space resources for the benefit of humankind. Space mining activities will initially focus on water and water-derived propellants to enable in-space infrastructure. Once this propellant is readily available, companies will begin sourcing structural metals for construction projects and eventually precious metals needed for in-space manufacturing or possibly for return to Earth.

Transportation

The most important resource that will be mined in space is water.

Water is critical for all life-support functions in space: sustenance, hygiene, and food production. Water can serve as an effective shield from the dangerous radiation present in space. Water is also the single most important feedstock for in-space refineries, which will produce rocket propellants for sale to transportation providers. Making propellants available beyond Earth's gravitational influence will lead to the creation of the first in-space superhighway — a series of fuel depots placed in strategic locations throughout the solar system. Imagine the growth potential of the energy, mining, and refining industries once they are freed from the constraints of an economy that is limited only to Earth. The in-space transportation and logistics firms who will consume these products are already well established and are headed by titans of industry:



Jeff Bezos (Blue Origin), Elon Musk (SpaceX), Richard Branson (Virgin Galactic), and Tory Bruno (United Launch Alliance). The door is now open to in-space mining firms like Planetary Resources (backed by industrial giant Bechtel and the Government of Luxembourg) to capture this increasingly important market by providing water and water-based propellants to the space transportation industry.

Construction

Today, the global construction industry competes with the energy industry for the title of the world's largest industry, and this rivalry will

continue in space. The first orbital construction systems will be deployed before the end of the decade. These robotic spacecraft will be capable of assembling large structures in orbit and repairing or refueling existing satellites. When combined with zero-gravity additive manufacturing techniques, this enables construction systems which can “print” and assemble massive structures in the medium of space.



The future of construction in space will look nothing like it does on Earth, but it will be equally valuable because the techniques and service offerings will apply across the entire in-space value chain. A propellant refinery can be assembled on orbit. Asteroid mines can be repaired autonomously. Solar power plants can be massively scaled and upgraded to meet the requirements of almost any project.

Hospitality and real estate

Humans can only live, work and play in space if they have shelter from the harsh environment of space. Today, the International Space Station (ISS) has had a sustained human presence for over 10 years, but this too will soon change. Numerous commercial space station companies, including one created by billionaire hotel-chain-founder Robert Bigelow, are competing for lucrative contracts that range from supporting sovereign astronauts and high-net-worth tourists, to leasing space-in-space for orbital manufacturing and research and development programs. This new industry is anticipated to generate \$37 billion in the next decade alone.

Space habitats will be launched from Earth initially, but as the resource supply chain expands and metals from asteroids and the Moon become available, this sector will also come to rely on resources sourced from space.



Construction firms will combine high-quality metallic feedstocks with robotic orbital assembly fleets as we gain the ability to create orbital megastructures: hotels, factories, and permanent settlements that are no longer limited by size. The first cities in space will become possible as markets for real-estate on orbit emerge. Space will become affordable and profitable for developers.

Our global economy is limited by its very name. When we realize that Earth's economy is only the beginning, our concept of growth changes exponentially. For industrial firms who have the foresight to view space not as a stand-alone industry but as the next medium to conduct their business, the sky is not the limit. The only limitations are the ones we put on ourselves. (Courtesy <https://www.weforum.org>)

Space Coverage Gets Serious Attention

While public sentiment on whether billionaires should be leading the way in space may be mixed, public interest around the race between Branson and Bezos has exploded.

Why it matters: The billionaire space race is sparking widespread interest in spaceflight that could ultimately translate into future customers for their companies.

By the numbers: Not even halfway through July, mentions of the term “space race” in U.S. articles have ballooned, according to new data from Signal AI provided to Axios — more than tripling the amount of mentions last July.

•When it comes to name recognition, Bezos' Blue Origin has received a lot more attention this year than its rival — Branson's Virgin Galactic.

•Since July 2020, Virgin Galactic has received about a third of the number of total social media interactions (325,663) as Blue Origin (1,085,377), per NewsWhip.

•Elon Musk's SpaceX clobbers both, with nearly 3.5 million total social media interactions for the year.

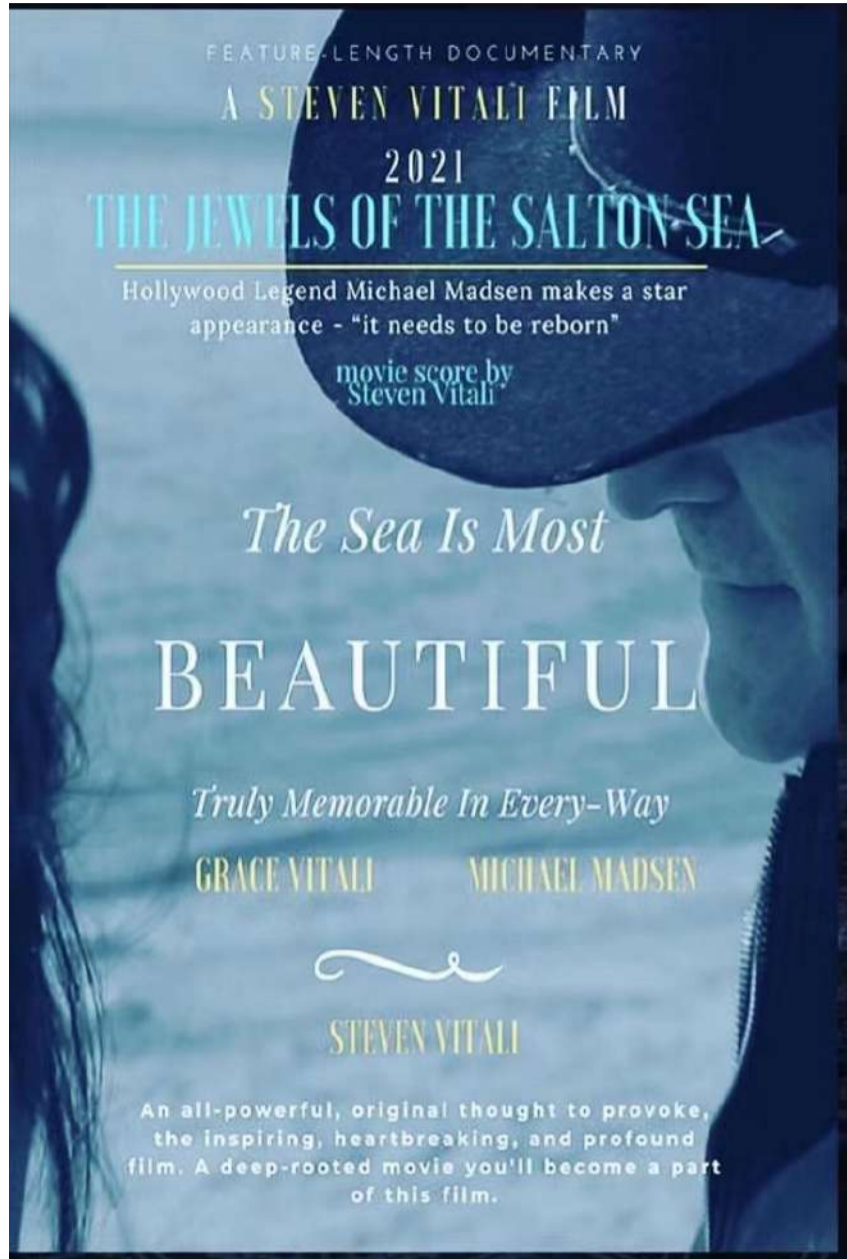


The big picture: Space coverage has historically been mostly in a niche — something that typically only broke through to the mainstream with big launches, accidents or anniversaries.

But today, many news companies have hired designated space reporters, as private spaceflight takes off.

For space-specific news outlets, like Seeker, the space race has been a boon for traffic. A spokesperson tells the media that Seeker has seen twice the amount of views and minutes watched on its video content compared to the six months prior. (Courtesy axios.com)

華裔女演員楊帆 Grace Yang Vitali 與丈夫著名導演 Steven Vitali 合作 好萊塢紀錄片 The Jewels of Salton Sea 榮獲法國戛納電影節大獎！



華裔女演員楊帆 Grace Yang Vitali 與丈夫著名導演 Steven Vitali 合作好萊塢紀錄片 The Jewels of Salton Sea 榮獲法國戛納電影節大獎！

(本報記者黃梅子) 休斯頓走出去的好萊塢女演員楊帆 Grace Yang Vitali 和丈夫 Steven Vitali 合作的紀錄片《The Jewels of Salton Sea》(中文名《珍寶索爾頓海——好萊塢後花園》) 榮獲法國戛納電影節三個大獎：最佳電影紀錄

片、最佳電影紀錄片製片人和最佳原創音樂大獎！

楊帆於2018年與好萊塢著名導演、音樂家 Steven Vitali 結婚，合作出品了這部紀錄片，楊帆擔任總製片人和主演，Steven 導演並作曲，夫唱婦隨、雙劍合璧，打造了這部非凡的戛納電影節獲獎影片。

同時，這部耗時四年、付出巨大心血的紀錄片不光在法國戛納電影節榮獲

大獎，還斬獲了PIMFF 國際電影節的國際最佳紀錄片獎、最佳音樂獎、最佳製片獎和最佳優美環境畫面獎等獎項。

《The Jewels of Salton Sea》並於2021年底並獲得北京電影節 Beijing Film Festival, 老牌英國倫敦電影節 London Movies Award, 法國、德國、瑞士、意大利、美國及好萊塢 Hollywood on the Tiber Film Awards, 新加坡及日本等56個最佳電影紀錄片、最佳導演、最佳製片人、最佳音樂及最佳配音、最佳剪輯和最佳環境等等全方位的獲獎，得到了好萊塢及世界頂級權威電影專家的高度評價。

以下列舉部分獲獎最佳名單：
BEST PRODUCER
Grace Yang Vitali, Michael Madsen, Bruno Rosato
BEST SOUNDTRACK, Steven Vitali,
BEST ENVIRONMENTAL FILM

CANNES WORLD FILM FESTIVAL
France

AWARD OF EXCELLENCE
NATURE WITHOUT BORDERS INTERNATIONAL FILM FESTIVAL
EXCELLENCE – Content/Message Delivery
EXCEPTIONAL MERIT – Original Score
UNITED STATES

BEST DOCUMENTARY FEATURE, BEST CINEMATOGRAPHY
DOP, BEST PRODUCER, BEST ORIGINAL SCORE, BEST DIRECTOR FEATURE
VEGAS MOVIE AWARDS™
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SAN DIEGO MOVIE AWARDS
UNITED STATES

BEST FEATURE DOCUMENTARY
LIFF SWEDEN

BEST ORIGINAL MUSIC
EASTERN EUROPE FILM FESTIVAL

BEST FEATURE FILM ON NATURE/
ENVIRONMENT/WILDLIFE



GOLDEN SPARROW
INTERNATIONAL FILM FESTIVAL

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WINNER – FILM ON NATURE/ENVIRONMENT/
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ACHIEVEMENT AWARD
WINNER – BEST EDITING
WINNER TRAILER/TEASER
OUTSTANDING ACHIEVEMENT AWARD
CATEGORY – DOCUMENTARY FILMS
Steven Vitali, Michael Madsen,
Grace Yang Vitali
WORLD FILM CARNIVAL
Singapore, Asia



BEST FILM ON NATURE, ENVIRONMENT, WILDLIFE
QUEEN AHILYA GLOBAL CINEFEST
Kolkata, India

BEST DOCUMENTARY FEATURE FILM
PLATINUM AWARD WINNER
BEST ORIGINAL SCORE
PLATINUM AWARD WINNER

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OUTSTANDING ACHIEVEMENT AWARD
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尋找面對人生高低起伏的力量和勇氣。

1 休息和睡眠

「隨著年齡增長，良好睡眠是身心健康的關鍵。」精神科醫生兼《歡悅的化學》(The Chemistry of Joy) 的作者Henry Emmons表示，人們有一個錯誤觀念，以為年紀越大，需要的睡眠時間就越少，但並非如此。根據國立衛生研究院建議，成年人的睡眠時間應保持每晚7至8個小時。

2 活動

能幫助您整個身體，包括大腦。在Emmons撰寫《如何使大腦保持敏銳》(Staying Sharp) 時，他對NASA生命科學小組的研究特別感興趣，該研究指出，在壽命和整體健康方面，每20分鐘從坐著的姿勢站起來，可能會比做半小時的運動更好。然而，他說：「兩樣都做會更好，再加上一些力量訓練，即使是園藝或瑜珈也好。」

3 攝取適當的營養

Emmons表示：「嘗試保持您的血糖數值穩定。」避免過多甜食和精製麵粉食品、多吃高纖碳水化合物、並經常攝取蛋白質和健康油脂，例如：歐米茄3 (omega-3) 和非氫化脂肪(non-hydrogenated fats) (考慮：魚、堅果、種子、雞蛋和橄欖油)。還有，椰油和牛油果裡的脂肪酸也很好。

4 與他人保持聯繫

有人能夠傾聽和同情您或許可以幫助您渡過失落和悲傷的時候。《如何生存：普通人的非凡韌性》(How to Survive: The Extraordinary Resilience of Ordinary People) 一書中，作者Andy Steiner訪問了幾十名受訪者，當他們感覺沮喪時會去參加一些情緒輔導小組——希望有一天會感覺更好。

5 超越傳統的思考方式

Steiner訪問的一位女士年輕時胰腺癌奪走她的丈夫。她曾經參加情緒輔導小組，但感覺對自己並不合適，因此她開始在網路部落格寫日記敘述自己的經歷。當寫了第一篇獲回覆，她就繼續透過部落格抒發情感和分享自己的經驗，久而久之她建立了龐大的支持網絡。

6 活在當下

Steiner訪問一位女士，她的丈夫在一場意外中去世，留下她獨力扶養年幼的兒子。她憶述當時感覺自己在一條隧道裡無法走出來。她過去是一名健行愛好者，她通過每天告訴自己：「就只差一步。」然後有一天她意識到自己享受在每一天。

7 激發您的信念

Steiner訪問過很多人都說他們的精神信仰使他們得以走出低谷。但Steiner發現其他沒有特定信仰的人也可以做得到。

8 學會接受

某些心靈訓練的目的是要讓人學會接受事實。這並不代表放棄，而是知悉事實並對自己說：「我可以與這事實一起活下去，我可以適應。」

9 尋找讓您每天早上起床的原因

雖然人有時會感到悲傷或遇到困難重重，但想想回饋社會可能是克服困難的強大動力。有很多團體和運動都是由那些遭遇不幸的人發起，例如：全國數以百萬計受癌症影響的人參加一些比賽或義工活動。做積極正面的事情可讓人感到療癒。

10 冷靜您的頭腦

正念(mindfulness)、深呼吸、祈禱——這些冥想技巧可以幫助您放鬆和減壓。在我們感到正面、事事順景時，越常練習如何冷靜、放輕鬆，在遇到脅迫時越能學以致用，增強心理韌性。

11 專注在正面的情緒

在刊物《社會與行為科學》(Procedia — Social and Behavioral Sciences) 2012年的一項研究發現，能在應對壓力的情況下發現積極意義的人，稱為適應性應對(accommodative coping)，實際上會變得更有心理韌性。

12 考慮藥物和治療

根據Neurobiology of Stress 2015年的研究發現，抑鬱和焦慮是缺乏心理韌性的例子，有些人需要用藥物來緩解，有些人藉由與精神科醫生或心理學家聊天而獲益。

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