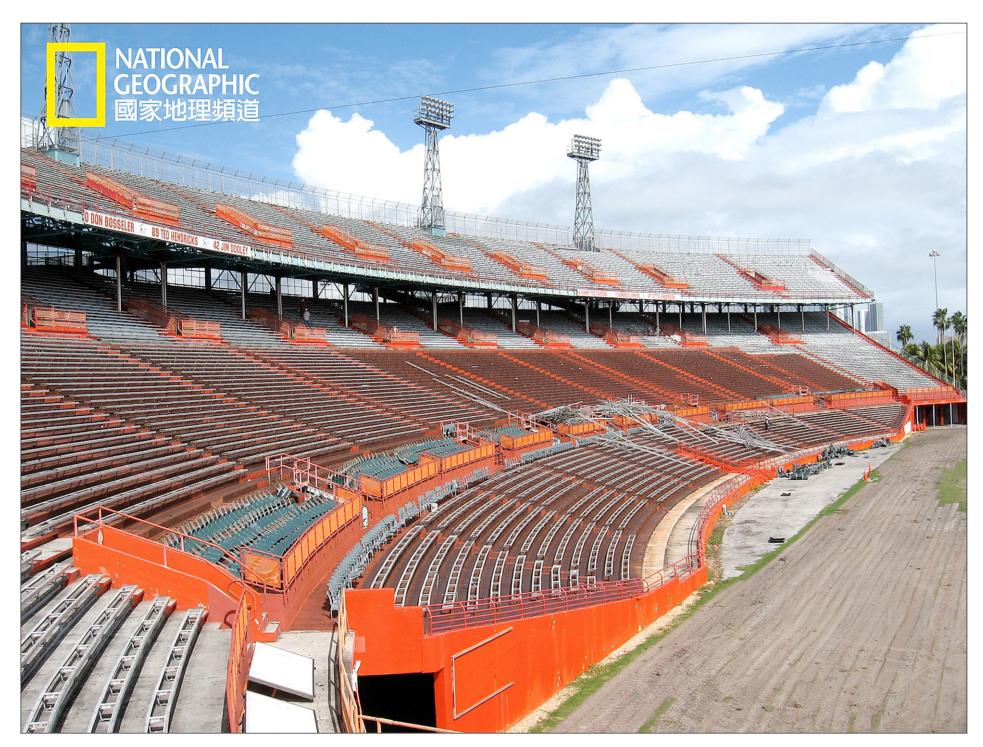
BMW PRESENTS BMW首映大賞

Megastructures — Miami Super Stadium

偉大工程巡禮一邁阿密體育場





Saturday, July 25 at 10:00pm

7月25日 週六 晚上10點 播出

TODAY'S WORDS 今日單字

- **1. turf** /t3•f/ n. 草皮 (cao3 pi2)
- **2. implode** /rm'plod/ v. 内爆 (nei4 bao4)
- **3. legendary** /'lεʤənd,εrɪ/ adj. 傳奇的 (chuan2 qi2 de5)
- **4. mandate** /'mændet/ v. 頒佈 (ban1 bu4)
- 5. rubble /'rʌbl/ n. 瓦礫堆 (wa3 li4 dui1)

石棉 (shi2 mian2)

6. asbestos /æs'bεstəs/ n.

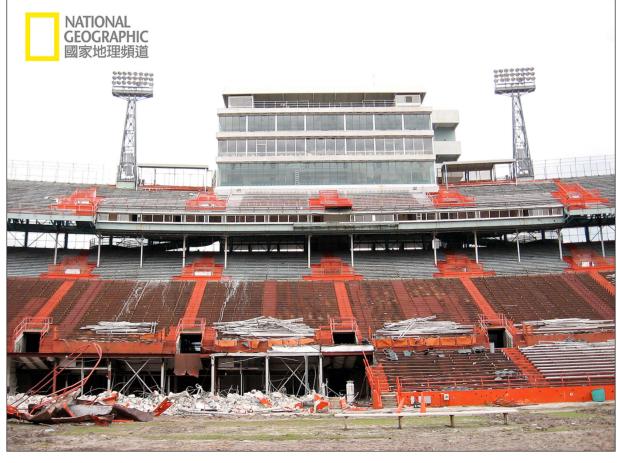
■ he Orange Bowl, home to Miami sports legends for over seven decades is about to be demolished. It's a monster job. Over 70,000 seats, over 9,000 square meters of turf and over 5,000 tons of steel. To make way for a new stadium, it's all got to go. But they must recycle 95 percent of the structure, so it can't be imploded.

十多年來一直是邁阿密運動明星主場的「 橘子盃體育場」即將被拆毀。這是一項艱 鉅的任務。為了打造新體育場,七萬多張 座椅、九千多平方公尺的草皮和五千多噸的鋼材,全 都要拆除一空,但百分之九十五的結構體必須回收, 因此不能内爆拆除。

This 70-year-old football stadium has been home to the University of Miami Hurricanes and five Super Bowls. Now it's old and too expensive to repair. So the city of Miami has decided to lay this **legendary** stadium to rest, to clear the land for a new state-of-the-art baseball park. In just four months, a demolition team needs to remove 23,000 square meters of structure. Not only is the timetable tight, the city of Miami mandates that everything must be salvaged or recycled. The city chose Decommissioning and Environmental Management Company — or DEMCO — for the Orange Bowl destruction. contract.

這座有七十年歷史的足球場是邁阿密大學颶風隊 的主場,主辦過五屆超級盃球賽。現在體育場老舊, 修復費用過高,邁阿密市政府便決定讓這座傳奇體育 場退休,清出空地蓋一座最新型的棒球場。在短短四 個月裡,拆除團隊必須拆除兩萬三千平方公尺的結構 體,不只時間緊迫,邁阿密市政府還下令所有材料必 須再利用或回收。市政府把工程發包給「除役與環境」收將近一萬平方公尺的草皮、一千多公斤的燈泡和 管理公司(DEMCO)」。

DEMCO's Ed Hartman takes command of the 任意棄置可能致命。第二階段,外部拆卸 site and the task ahead of him. Under Ed's watch, 八根九公噸重的颶風級體育場燈塔,用超大機具切 this super-sized demolition will unfold in three 割、剝除,準備讓體育場進入最後第三個階段,拆 stages: Stage one: the gut-out — remove or 毁。他們會切割、拖拉和搥打十二樓高的骨架,沿 recycle nearly 10,000 square meters of turf, over 著整座碗狀看臺拆除直到剩下一片瓦礫,拆除完成 1,000kg of lightbulbs and over 70,000 seats. 後,現場將空無一物。 They also must clear the stadium of asbestos — a potentially deadly killer if left uncontained. cluding over 1,000kg of glass light bulbs. But the 的後院草皮,而是超級盃球場的草皮,因此市政府另 Stage two: the strip down — take down eight bulbs are delicate, so it's not a job for mallets and 有特殊安排,他們要把草皮移植到三公里外的當地公 nine-tonne hurricane-grade stadium light tow- muscle. Each bulb needs to come out by hand, 園 ers while mega-machines rip, strip and prep the one by one. And then there's the 70,000 famous stadium for the third and final stage: demolition. orange seats. They'll cut, pull and pummel the remaining 12-



橘子盃體育場拆除工程

be nothing left. DEMCO的艾德·哈特曼負責現場指揮以及未來 分三階段進行:第一階段,内部清除——拆除或回

Each material must be salvaged and sorted, in-

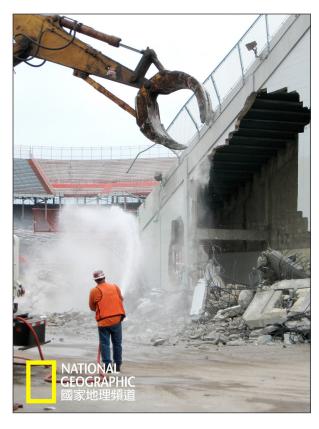
每樣材料都得回收利用和分類,包括一千多公斤的 story skeleton, moving around the bowl until it's 玻璃燈泡。但電燈泡脆弱易碎,因此不能用鎚子和蠻 start major demolition. The workers remove 的拆除任務如何進行。

reduced to rubble. When they're done, there'll 力硬來,每個燈泡都得徒手拆下。接著是七萬張著名 的橘色座椅

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To move it all out, the demo team needs to bring heavy machinery onto the field. But they can't risk destroying the expensive Bermuda turf with the weight of their mega machines, ball stadium. so the sod must come out first and fast. But this isn't grass you'd find in any backyard. It's Super Bowl turf, so the city has some special plans for it. They'll transplant the turf to a local park 3km 帶來另一種風險,就是弄得體育場到處都是空洞。工

challenge. They still must remove the asbestos panels throughout the stadium before they can



the asbestos-laden concrete, panel by panel. But removing the asbestos creates another danger — a patchwork of holes. The team works at over 27m in the air, and any misstep at these heights could injure or kill a worker, so a safety harness is a must. The entire project depends on this team's success. Until they clear the stadium of asbestos, DEMCO can't begin the structural demolition, and they have only months to get the site ready for the new base-

在此同時,他們還面臨一項更大的挑戰,就是得拆 掉整個體育場的石棉鑲板,才能進行重大拆除作業 人在離地二十七公尺高的地方施工,在這種高度稍有 疏失就可能受傷或送命,因此非得繫上安全帶不可。 整項工程的成敗取決於這組人成功與否,要等他們清 除體育場的石棉,DEMCO才能拆除結構,他們只有 幾個月的時間清理現場準備興建新棒球場

Tune in tonight at 10:00pm to find out how the Meanwhile, they take on an even bigger demolition team gets along on this very special assignment.

今晚十點敬請收看本節目,一同了解這項非常特別