

方案名稱	臺南市自動駕駛公車實驗計畫 Tainan City Autonomous Bus Experimentation Project
局處 / 類別	臺南市政府交通局 / 智慧交通 Tainan City Government Bureau of Transportation/Smart Transportation
方案簡介 / 專案架構示意圖	<p>客運業長期被找不到駕駛及駕駛工時過長所困擾，自駕技術將對城市交通帶來革命性的改變，無論是在駕駛缺工、駕駛工時、行車安全、車輛調派、偏鄉交通等方面，都可以應用自駕技術突破現有的限制。</p> <p>Shortage of bus drivers and frequent overtime shifts have long been issues among bus service operators. This is where self-driving technology can bring in revolutionary change to city transportation. The technology can address existing problems and challenges in a number of areas, including driver shortage, shift length, road safety, vehicle dispatch, and rural area transportation.</p> <p>經濟部自 107 年 12 月 19 日公布實施「無人載具科技創新實驗條例」，於 108 年 10 月 25 日公告受理「無人載具科技創新實驗計畫」。本市與理立系統股份有限公司合作之「台南市自動駕駛快捷公車上路營運實驗計畫」，選擇一般公車路線作為實驗目標，期望讓商轉模式獲得驗證。計畫已於 109 年 3 月份通過經濟部審查，6 月底取得臺南監理站核發試驗車牌，8 月至 12 月進行不載客上路實驗，110 年 1 月開始載客測試實驗。</p> <p>The Ministry of Economic Affairs rolled out the Unmanned Vehicles Technology Innovative Experimentation Act on Dec. 19, 2018 and launched the Unmanned Vehicles Technology Innovative Experimentation Project on Oct. 25, 2019. The Tainan City Autonomous Shuttle Bus Operation Experimentation Project is a collaboration between Tainan and LILEE Systems, and a general bus route is selected as its experiment venue to verify the commercial operation model. The project passed MOEA review in March 2020 and obtained trial license plates from Tainan Motor Vehicles Office at the end of June. The empty buses ran their trial-runs on open streets between August and December, and began to carry passengers in January 2021.</p> <p>本計畫規劃「南科火車站—南科考古館循環線」及「沙崙智慧綠能科學城循環線」2 條路作為示範路線，自動駕駛車輛可透過車輛感測設備、智慧路側設備與高精地圖於開放場域行駛，已於 110 年 2 月、3 月辦理試乘活動讓民眾體驗，後續將由汽車客運業者加入成為正式公車路線商業運轉，並視執行成效擴大服務路線。</p> <p>Two demo routes are planned in this project: the Southern Taiwan Science Park Train Station - Museum of Archeology, Tainan Branch of</p>

National Museum of Prehistory Circle and Shalun Green Energy Science City Circle. The self-driving buses utilize vehicle sensors, smart roadside equipment, and high-definition maps to drive on open roads, and the public is invited to test-ride the buses in February and March this year (2021). For the next phase, bus service operators will take over and officially operate the commercial bus routes. Service routes may be expanded according to execution results.

影片連結：

1、<https://www.youtube.com/watch?v=6aT7ZJ5-0h8>

2、<https://youtu.be/EXjaijRcEQs>