



# THE YEAR AHEAD

## 來年展望

As Hong Kong accelerates its transformation into a global hub for innovation and technology (I&T), ASTRI remains steadfast in driving impactful research, fostering industry collaboration, and supporting the city's strategic vision. ASTRI will play a pivotal role in shaping the region's I&T future by addressing critical societal and industrial challenges through innovation.

隨着香港加速轉型為全球創新及科技樞紐，應科院將繼續致力推動具影響力的科研項目、促進業界合作，全力支持香港的策略發展願景。一方面，我們將積極應對社會和產業的關鍵挑戰；另一方面，擔當塑造區內創新科技未來的重要角色。

### AI and Data Science: Catalysts for Transformation 人工智能與數據科學：推動轉型前行

The Chief Executive's latest Policy Address highlights artificial intelligence (AI) and data science as key to Hong Kong's development strategy. Initiatives such as the AI Efficacy Enhancement Team aim to drive AI adoption in public services, reform administration, and promote industrial transformation. "AI+" will also create high-quality jobs while fostering economic growth.

To support these priorities, ASTRI's expertise in AI research combining with other cutting-edge technologies will be central to developing solutions that enhance competitiveness and advance Hong Kong's position as a world-class innovation hub. Leveraging its strengths in research, talent, and diverse use cases, ASTRI is uniquely positioned to address emerging challenges and unlock the transformative potential of AI across industries.

行政長官在最新《施政報告》中明確指出，人工智能及數據科學是香港發展策略的重點。政府將透過成立由政務司副司長領導的「人工智能效能提升小組」，加速推動AI在公共服務的應用，藉此提速改革行政管理、促進產業轉型。同時，「AI+」計劃將創造優質職位並推動經濟增長。

為配合這些政策重點，應科院將憑藉在人工智能研究的深厚實力，加上其他嶄新技術，在開發提升競爭力的解決方案上發揮關鍵作用，助力香港發展成為世界級創新樞紐。應科院將充份運用科研、人才及多元應用場景等優勢，應對新興挑戰，並釋放人工智能於各行各業的轉型潛力。

## || The Northern Metropolis: A Strategic Growth Area 北部都會區：策略性增長重點區域

The Northern Metropolis, a cornerstone of Hong Kong's growth strategy, offers over 3,000 hectares of new development land to address industrial space shortages, create 500,000 jobs, and facilitate I&T development. Its proximity to Shenzhen strengthens collaboration within the Guangdong-Hong Kong-Macao Greater Bay Area (GBA).

Through our presence at the Hetao Shenzhen-Hong Kong Science and Technology Innovation Co-operation Zone, ASTRI will continue to expand cross-border synergies and drive economic integration, leveraging its Shenzhen office to deepen ties with regional stakeholders.

「北部都會區」作為香港未來增長策略的核心，將提供超過3,000公頃新發展土地，有效解決產業空間不足的問題，預計創造50萬個就業機會，並促進創科發展。其毗鄰深圳的地理優勢，更為深化粵港澳大灣區內的合作創造龐大機遇。

透過設於「河套深港創新及科技合作區」的深圳辦事處，應科院將繼續強化跨境協作，推動經濟融合，並與區內持份者加強聯繫與合作。

## || ASTRI-NAMI Merger: Unlocking Synergies 應科院與NAMI合併：發揮協同效應

A key milestone in the coming year is the planned merger between ASTRI and the Nano and Advanced Materials Institute (NAMI). This strategic unification will combine ASTRI's expertise in information and communications technology with NAMI's strengths in advanced materials and nanotechnology, enhancing research capabilities and creating new opportunities for commercialisation.

The merger will strengthen synergies across Hong Kong's R&D ecosystem, positioning the new institute to deliver high-impact outcomes that support long-term I&T growth.

來年重要的里程碑，是應科院與納米及先進材料研發院的合併。此策略合併將結合應科院在資訊及通訊科技方面的專長與納米及先進材料研發院在先進材料及納米技術的優勢，進一步提升科研能力，並創造更多科研成果商品化的機會。

是次合併將加強香港研發生態系統內的協同效應，整合後，新的研究院將能提供更具影響力的研究成果，有力支持香港創新科技的長遠發展。

## || Low-Altitude Economy and Smart Mobility 推動低空經濟與智慧出行

Aligned with policy priorities, ASTRI is advancing emerging sectors such as the low-altitude economy. As the technical partner for Hong Kong's low-altitude regulatory sandbox pilot project, ASTRI is enabling innovation in unmanned aerial vehicle technologies.

Autonomous driving technologies are also a major focus of ASTRI, with trials planned across multiple districts to modernise transportation infrastructure and enable smart mobility.

為配合政策優次，應科院正積極開拓低空經濟等新興領域。作為香港「低空經濟監管沙盒」試點項目的技術夥伴，我們正推動無人機技術創新。

同時，應科院亦着力發展自動駕駛技術，計劃於多個地區進行試驗，以革新交通基建，實現智慧出行。

## || Future Ready 面向未來

In the year ahead, ASTRI will focus on delivering impactful applied research, and technology commercialisation in areas such as smart city, FinTech, smart mobility, intelligent manufacturing, and digital health. Special emphasis will be placed on transformative solutions integrating AI with other technologies including IoT sensing, trusted technologies, advanced communications, microelectronics and more.

By aligning with government priorities and leveraging its expertise, ASTRI is poised to drive breakthroughs, foster collaboration, and strengthen Hong Kong's position as a global I&T hub. With a clear mission and unwavering commitment, ASTRI stands ready to shape a brighter future for Hong Kong, the Greater Bay Area, and beyond.

展望未來，應科院將聚焦智慧城市發展、金融科技、智慧出行、智能製造及數碼健康等領域，提供具影響力的應用科技研究，並推動科研成果商品化。同時，將重點放在結合人工智能，以及其他科技如物聯網感測、可信技術、先進通訊、微電子等技術的解決方案。

透過配合政府優先發展方向，並充份發揮專業優勢，應科院將推動技術創新、促進合作，並鞏固香港作為全球創新科技中心的地位。應科院秉持清晰的使命與堅定的承諾，將全力以赴，共同打造香港、粵港澳大灣區以至更廣泛地區的美好未來。