

## 核子設施安全管制—核安管制組

核安管制組主要負責國內核電廠運轉及除役之安全管制作業，以及研究用反應器運轉安全管制，並依據核子反應器設施管制法及相關法規，以現場視察、安全審查、管制與諮詢會議之方式，監督核能電廠及研究用反應器之運作安全，並定期與其他國家管制機關交流，強化安全管制效能。

## Nuclear Safety Oversight: Nuclear Regulation Office

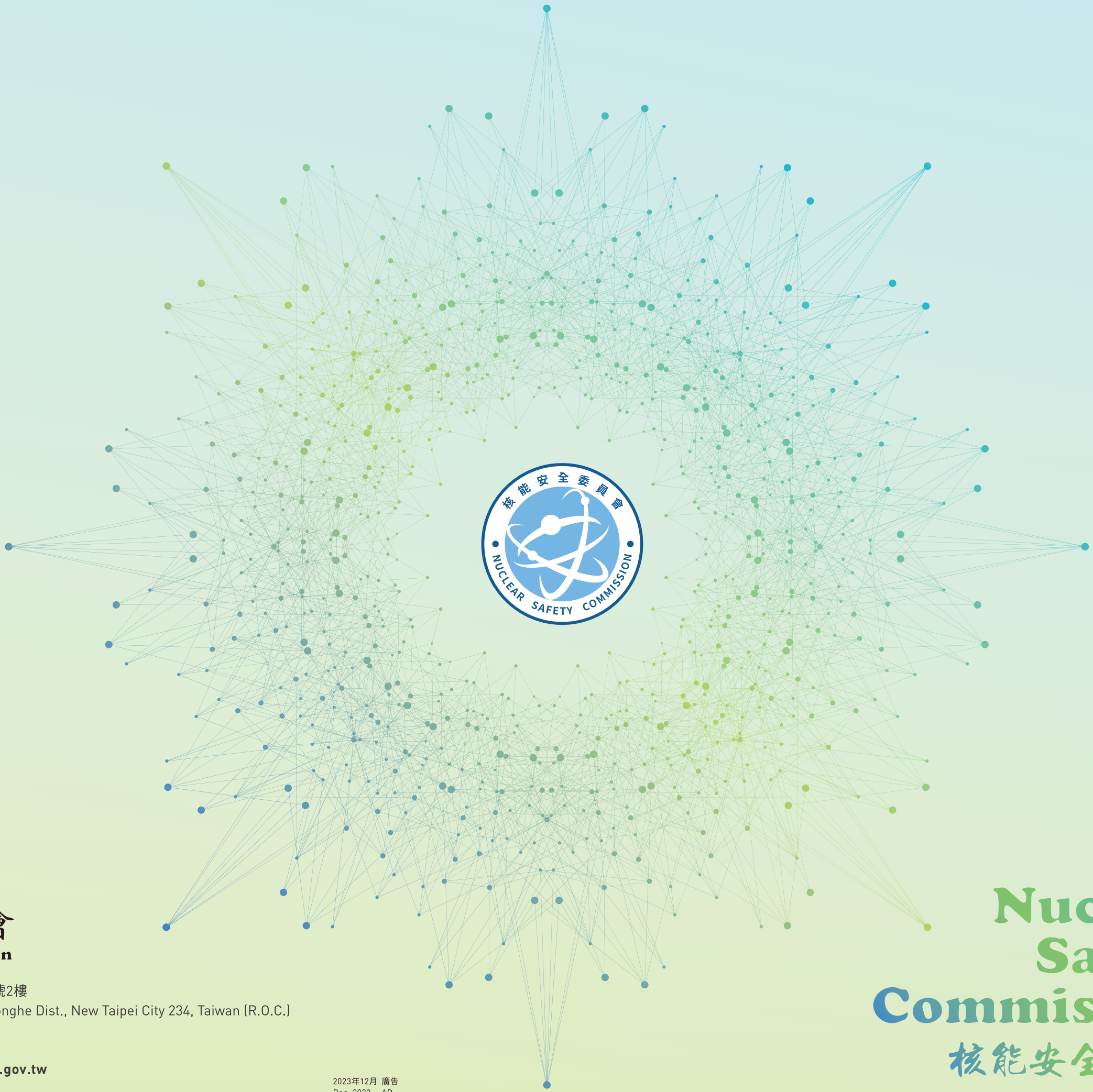
The Nuclear Regulation Office is mainly in charge of safety regulation for the operation and decommissioning activities of the domestic nuclear power plants, as well as the operation of research reactors. In compliance with the "Nuclear Reactor Facilities Regulation Act", and other regulations, the Office oversees the safety of nuclear reactor facilities through inspection, safety review, advisory committees and regulation meetings, as well as communicating with the nuclear regulatory authorities of other countries, to effectively enforce safety regulations.



## 核能安全委員會 Nuclear Safety Commission

23452 新北市永和區成功路一段80號2樓  
2F, No.80, Sec. 1, Chenggong Rd., Yonghe Dist., New Taipei City 234, Taiwan (R.O.C.)  
電話TEL— (02) 8231-7919  
傳真FAX— (02) 8231-7833  
網址WEBSITE— <https://www.nusc.gov.tw>

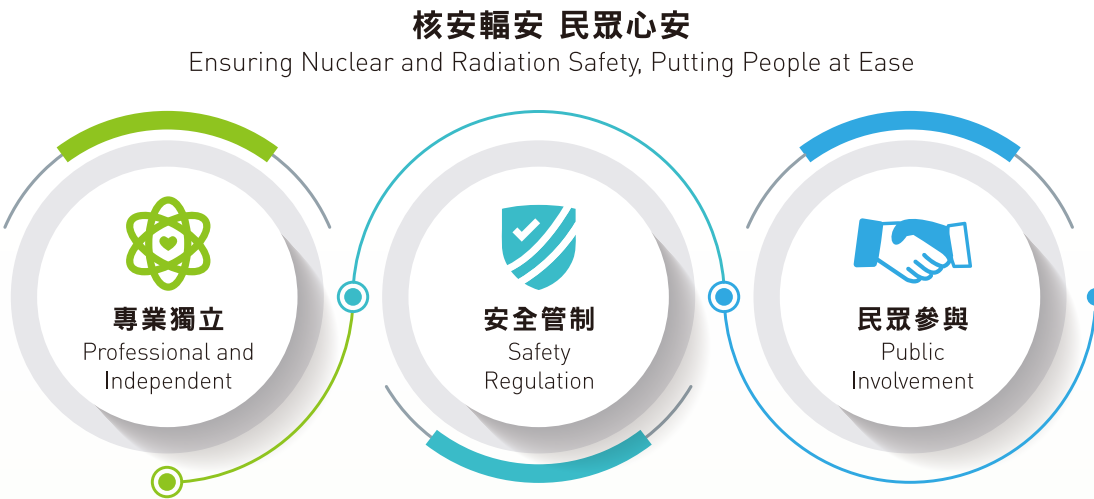
2023年12月 廣告  
Dec. 2023 AD



## 1 主要任務及展望 Main Task and Prospect

核能安全委員會為我國核能及輻射安全的專責管制機關，負責國內核能電廠運轉及除役、核設施與輻射作業場所的安全監督與核廢料安全管制。除嚴格執行核能、輻射安全管制及落實緊急應變機制與環境偵測外，同時，秉持獨立及專業客觀的立場，依國際趨勢致力於強化法規配套與管制監督，在符合世代正義的原則下，做好核安、輻安及核廢料的管制工作，以保障環境安全與民眾健康。

The Nuclear Safety Commission, which is the regulatory authority over the nuclear energy, and radiation safety in our country, is committed to overseeing the safety of operation and decommissioning of nuclear power plants, nuclear facilities, radiation-related workplaces, and radioactive waste safety. In addition to strictly enforcing nuclear and radiation safety regulations, and implementing emergency response mechanisms and environmental radiation monitoring, Nuclear Safety Commission also maintains an independent, professional, and impartial stance to strengthen supporting regulations and supervisory activities in line with international trends. In accordance with the principle of intergenerational justice, Nuclear Safety Commission is actively engaged in nuclear, radiation and radioactive waste safety regulation to ensure the environmental safety and public health.



## 2 機關各組業務 Authority and Responsibility of Various Functions

### 綜效整合與國際合作—綜合規劃組

綜合規劃組負責施政計畫研擬、業務管制考核、國際合作、核子保防作業、法規修訂與發布、對外資訊公開與宣傳、以及人才培育等業務；另對於涉外事務，包括國內之機關團體或國際原子能安全相關機構單位，綜規組均為協調、溝通或聯繫的窗口。

### Integrated effectiveness and international cooperation: General Planning Office

The General Planning Office is in charge of duties such as policy planning, control and assessment, international cooperation, nuclear safeguards, regulation amendment and issuance, information disclosure and dissemination, and capacity building and training. The Office also serves as the main window for coordination and communication with domestic agencies and organizations, or international agencies and organizations on nuclear safety.





輻射應用安全—輻射防護組

輻射防護組肩負我國游離輻射在民生應用的安全管制，包括核能電廠、醫療院所、學術機構、工業等各單位使用放射性物質或可發生游離輻射設備、相關從業人員之證照核發與作業檢查、人員與環境的劑量管制，以及輻射意外事件的處理與防範，並推動醫療曝露品質保證制度，以確保放射診斷或治療設備劑量之準確性。

Radiation application safety: Radiation Protection Office

The Radiation Protection Office is mainly in charge of the safety regulation of ionizing radiation operations of livelihood applications, including nuclear power plants, hospitals, academic institutions, industries, etc., that utilize radioactive materials or equipment capable of producing ionizing radiation. The Office issues certificates to relevant professional operators, conducts operation inspections, formulates personnel and environmental radiation dose regulations, as well as handles and prevents radiation accidents. The Office has also been promoting a quality assurance program for medical exposure to ensure the precision of radiation dosage.

輻安管制目標 Objectives



執行策略 Strategies

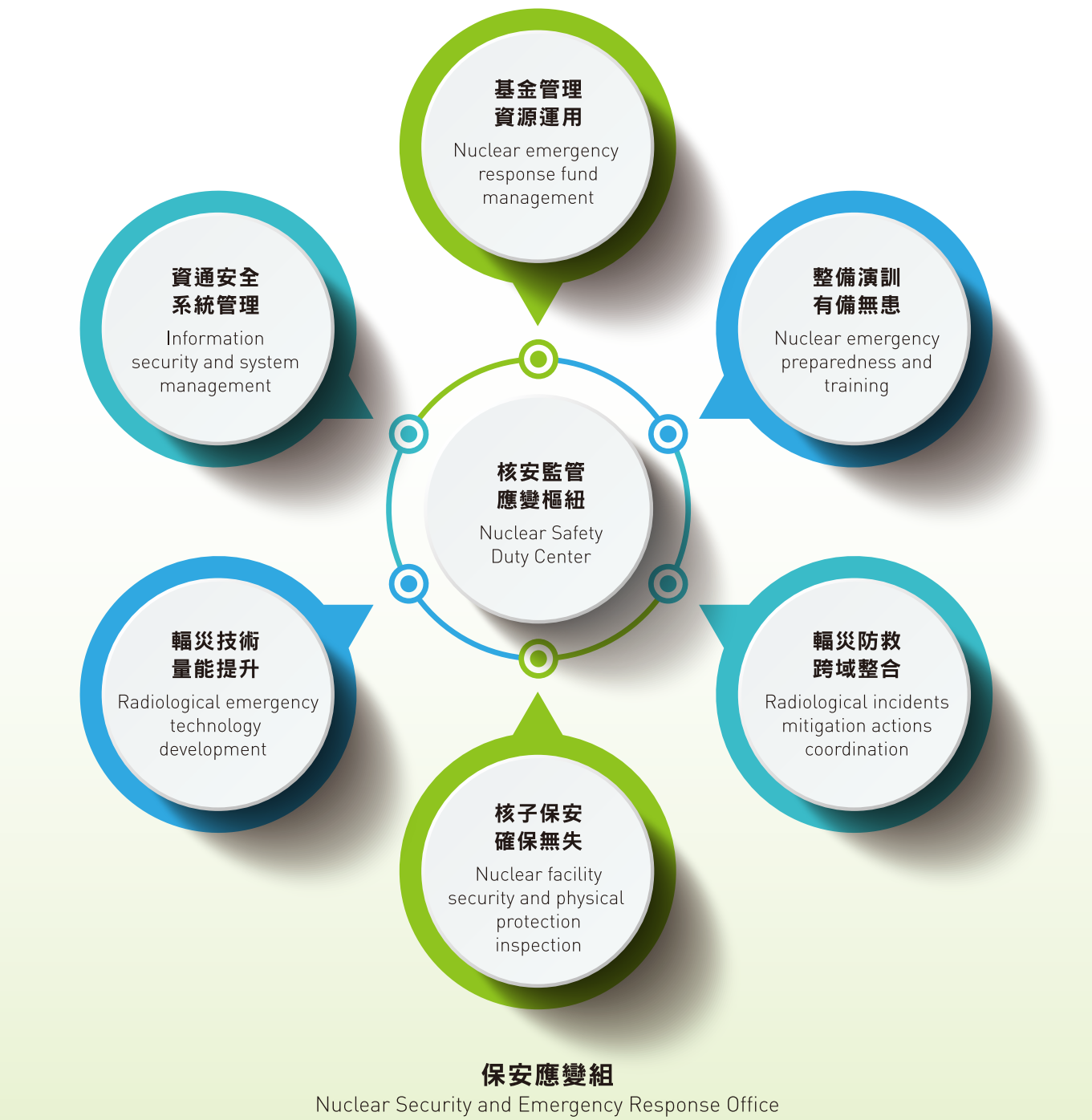


核子保安與應變—保安應變組

保安應變組為我國輻災應變樞紐，統合協調相關之機關（構），規劃緊急應變機制，確保整備作業完備，以減低輻災的影響。核心業務為核子反應器設施緊急應變與保安作業之管制與監督、核子事故應變及整備作業規劃與監督、全國輻射災害預防與整備等。

Nuclear security and emergency response: Nuclear Security and Emergency Response Office

The Nuclear Security and Emergency Response Office is our nation's center for radiological emergency response. In order to minimize the accident consequences, the Office integrates and coordinates relevant authorities, designs emergency response mechanisms, and ensures the completeness of emergency preparedness. The mission of the Office is to regulate the emergency preparedness and nuclear security of nuclear reactor facilities and to provide consultancy and response for radiological emergency in Taiwan.

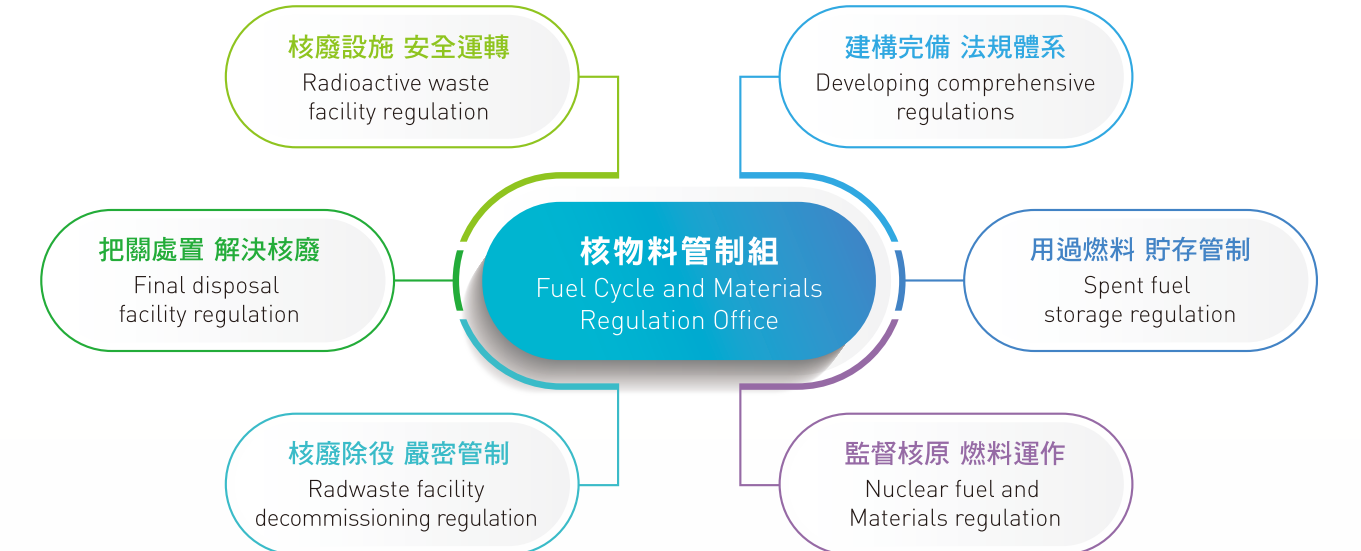


放射性物料及設施管制—核物料管制組

核物料管制組負責核子原料、核子燃料及放射性廢棄物之安全管制作業，全國放射性物料處理、貯存與處置設施之建造、運轉與除役之審核與發照，放射性物料輸入、輸出、處理、貯存、運送與處置等相關作業之安全管制與檢查等事項。

Nuclear materials safety oversight: Fuel Cycle and Materials Regulation Office

Fuel Cycle and Materials Regulation Office is in charge of the regulatory control of facilities of nuclear source materials, nuclear fuel or radioactive wastes by implementing the safety review, licensing, and inspection work for every treatment, storage and disposal facility in its licensing, construction, pre-operational, operation and decommissioning stages. The Office also enforces the inspection and safety control for the nuclear materials in the process of import, export, handling, storage, transport, disposal, etc.

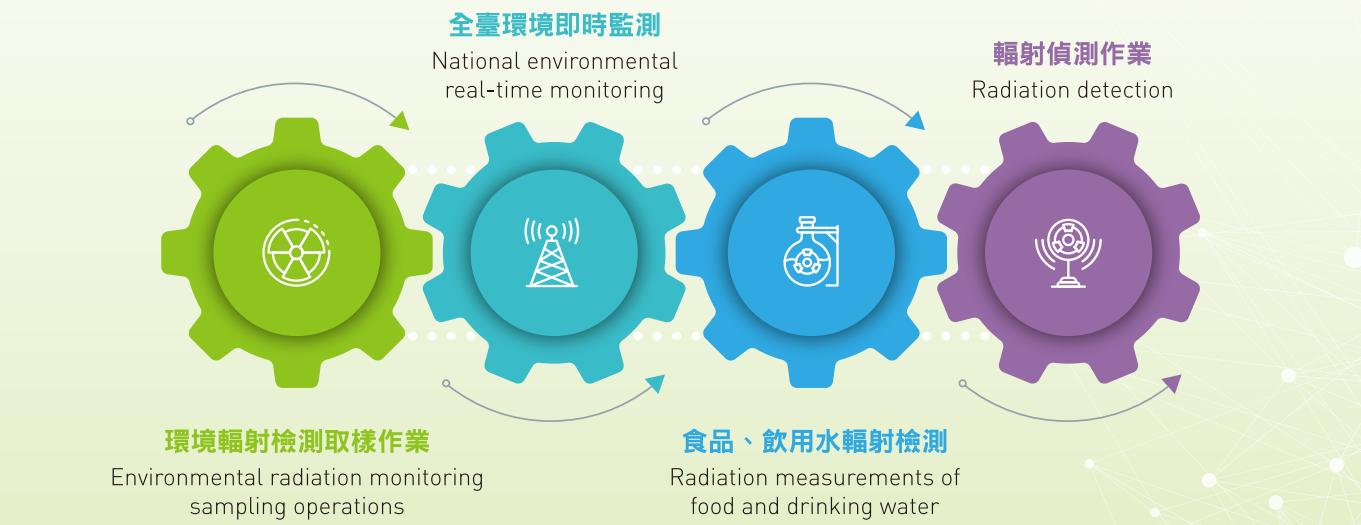


輻射偵測中心（所屬機關）

輻射偵測中心主要業務為執行全國環境背景輻射偵測、核設施周圍環境輻射偵測、民生食品放射性含量檢測及大港倡議輻射異常物檢查，確保國民的輻射安全。近年來，持續精進環境輻射偵測與分析技術，強化環境輻射自動監測系統，即時掌握及公布全國環境輻射監測資訊，並與國內災害防救單位合作，提升核子事故緊急應變能量。

Radiation Monitoring Center (RMC, affiliated organization)

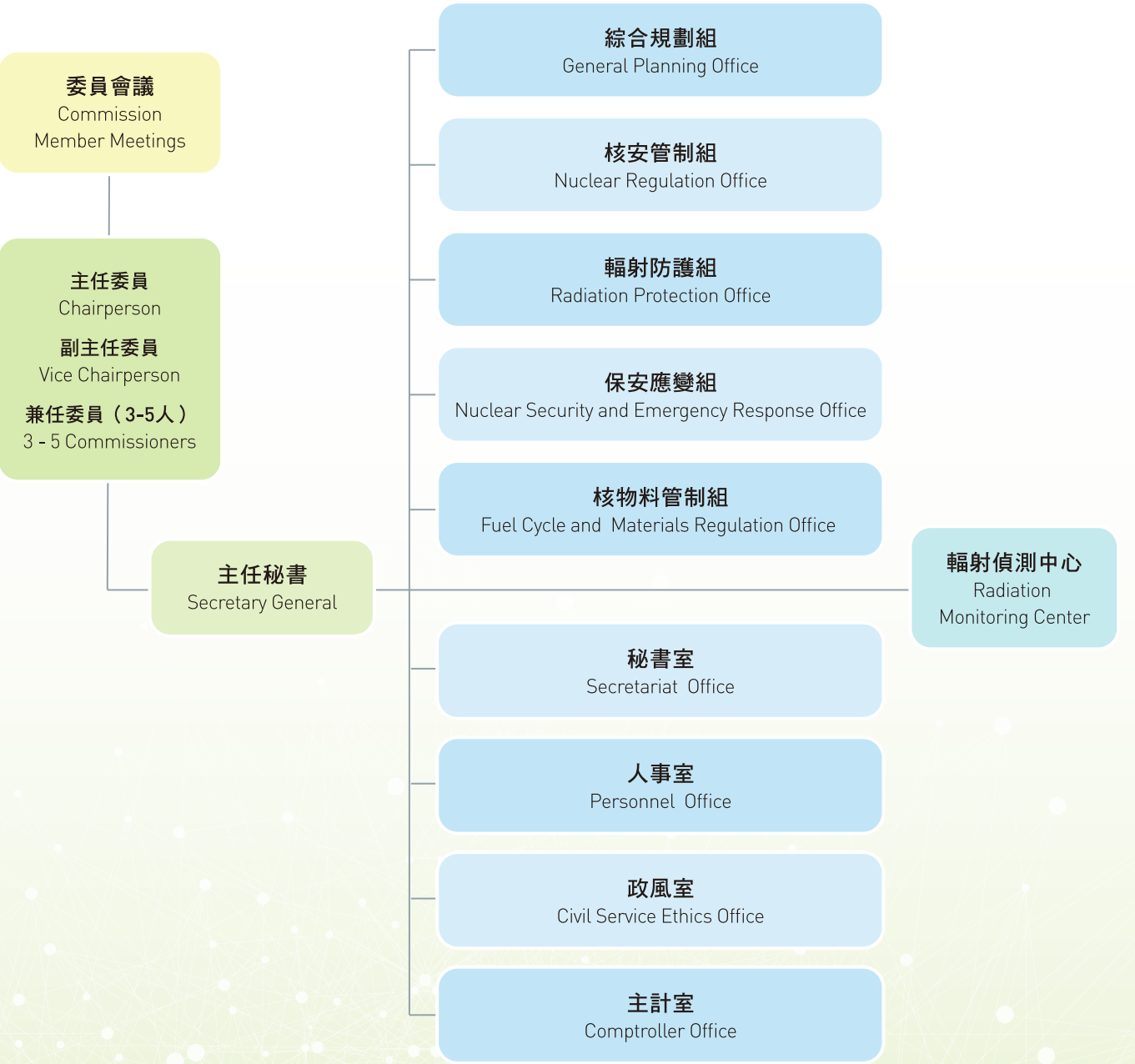
The main duty of RMC is to ensure the national radiation safety by carrying out national environmental radiation monitoring, environmental radiation monitoring around nuclear facilities, measuring the amount of radioactivity in common foods, as well as the "Megaports Initiative" for monitoring radioactive material at cargo ports. Recently, RMC has been continuing the advancement of environmental radiation monitoring and analysis technologies, enhancing the environmental radiation monitoring system, immediately mastering and announcing the national environmental monitoring information, as well as cooperating with the national disaster prevention and relief organizations for enhancing the capability of nuclear emergency responses.



3 組織架構 Organization

核安會委員係由行政院就有關機關人員或學者、專家派兼或聘兼。置主任委員、副主任委員、主任秘書；其下設置5個業務單位、4個行政室及1個附屬機關，共同推廣會務。

The members of the Nuclear Safety Commission are comprised of individuals appointed by the Executive Yuan, selected from professionals within relevant authorities, scholars, and experts. The commission's structure involves a chairperson, vice-chairperson, secretary general, five technical offices, four administrative offices, and one subordinate unit. This well-coordinated team collaborates to effectively carry out their responsibilities and fulfill the commission's duties in the realm of nuclear safety.



輻射偵測中心  
Radiation Monitoring Center