

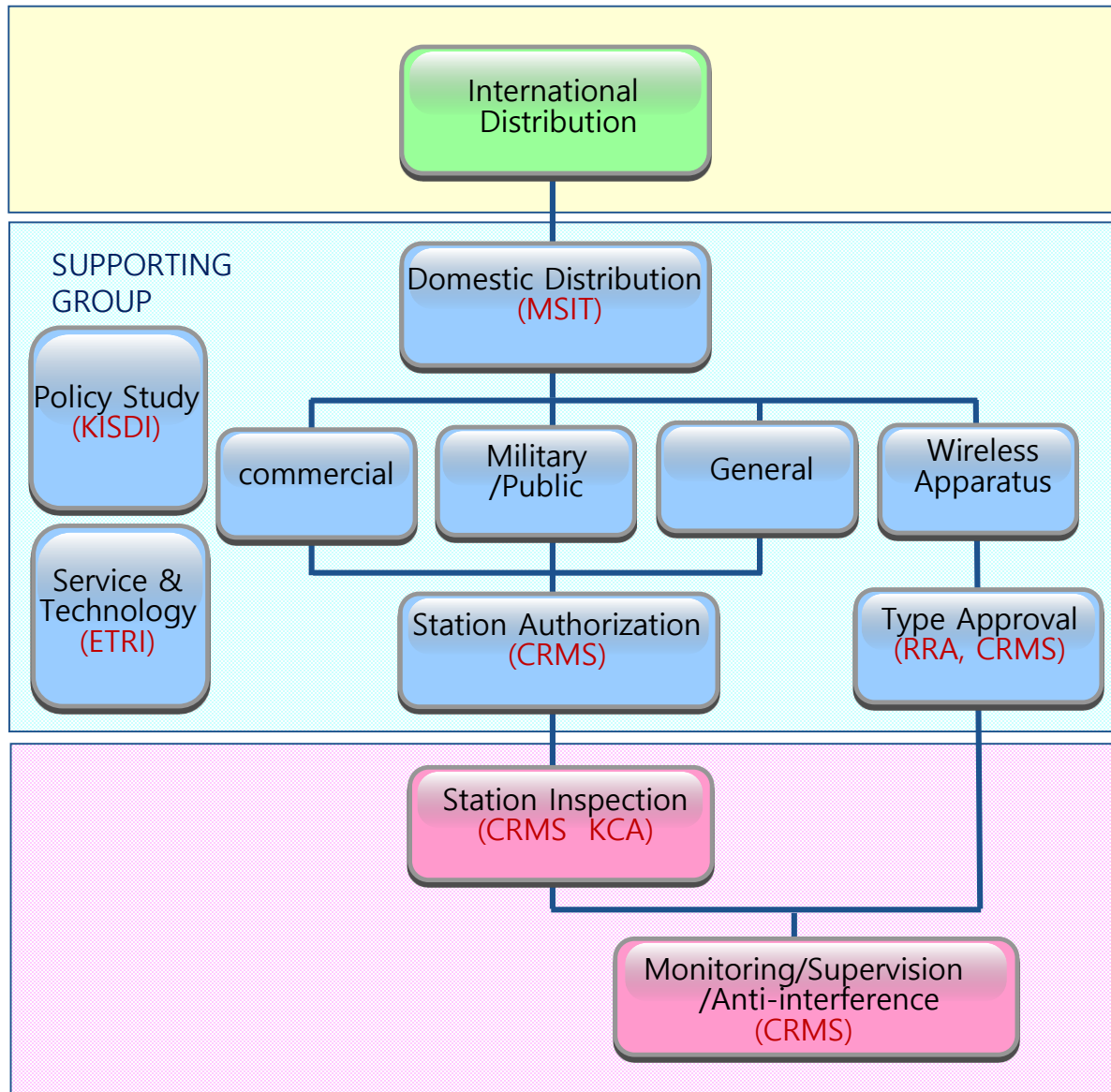
Case study on spectrum management and monitoring in Korea

April 2018

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ETRI

Structure of the national Spectrum Management and Monitoring



CRMS Since 1947

Central Radio Management Service(CRMS) has been expanded into the organization covering a broadcasting and communication.

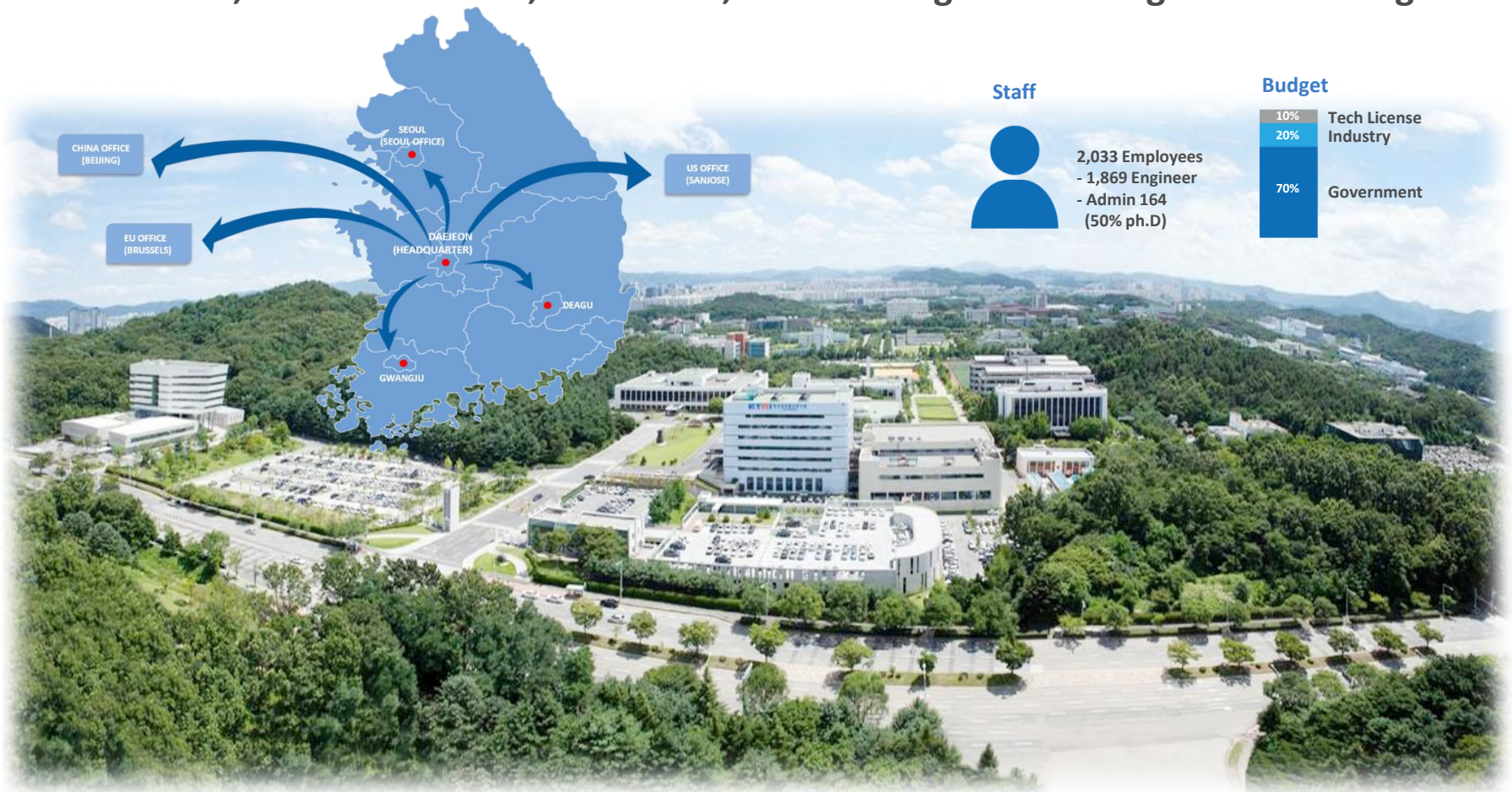
Now CRMS has 5 divisions, 1 satellite radio monitoring center and 10 regional branch offices on a national scale to provide customer-oriented services.



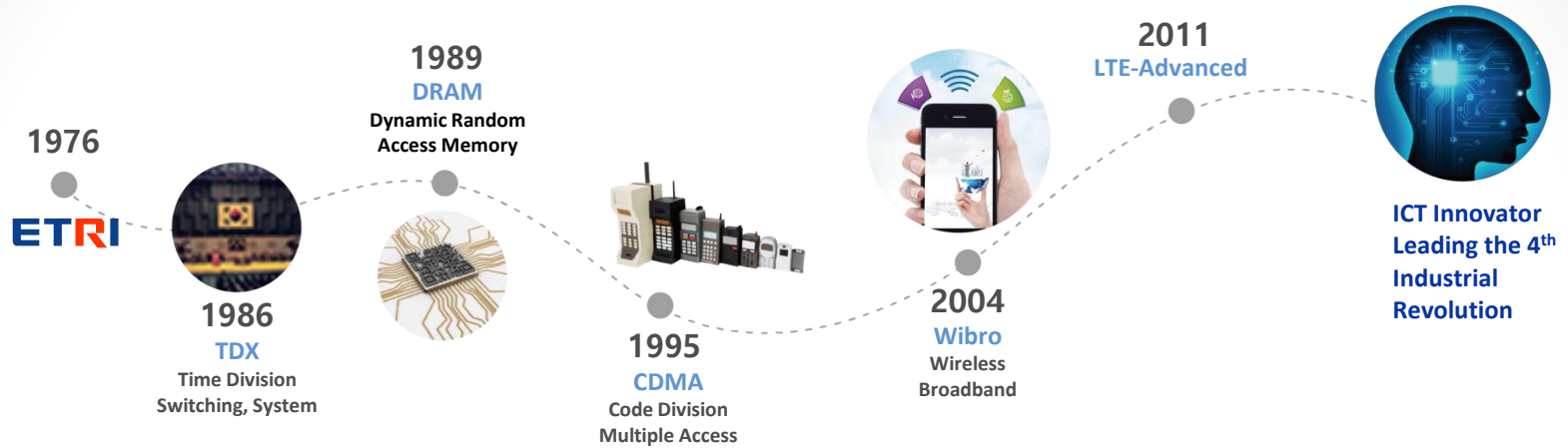
ETRI Since 1976

ETRI

ETRI makes contribution to the nation's economic and social development through research, development and distribution of industrial core technologies in the field of Information, Communications, Electronics, Broadcasting and Convergence technologies.



Major Achievements



ETRI in National R&D Structure

- Policy
- Project Fund
- Technology Development
- Technology License
- Commercialization
- Royalty Sharing



Infrastructure available for Spectrum Monitoring

Fixed Station

MON : 70/10, DF : 18

Mobile Station

MON : 11/11, MON&DF : 12



Key interference issues and any particular issues being faced in Korea

Key interference

- Similar to China except no illegal broadcasting and base station

Enhanced Protection of Public Safety Network

- airport, port, police station, fire station, etc.
- GNSS(Global Navigation Satellite System), Airport Traffic Control : 120~133MHz
- Marine Safety
 - . EPIRB(Emergency Position-Indicating Radiobeacon station) : 406MHz
 - . VHF-DSC(Digital Selective Calling) : 156MHz, V-Pass : 897MHz, AIS : 162MHz

PyeongChang 2018 Olympic winter Games

- Mission : protection of broadcasting and communication network, approval & inspection for broadcasting and communication equipment
- Period : 2018.1.9.~3.20.





THANK YOU.

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