

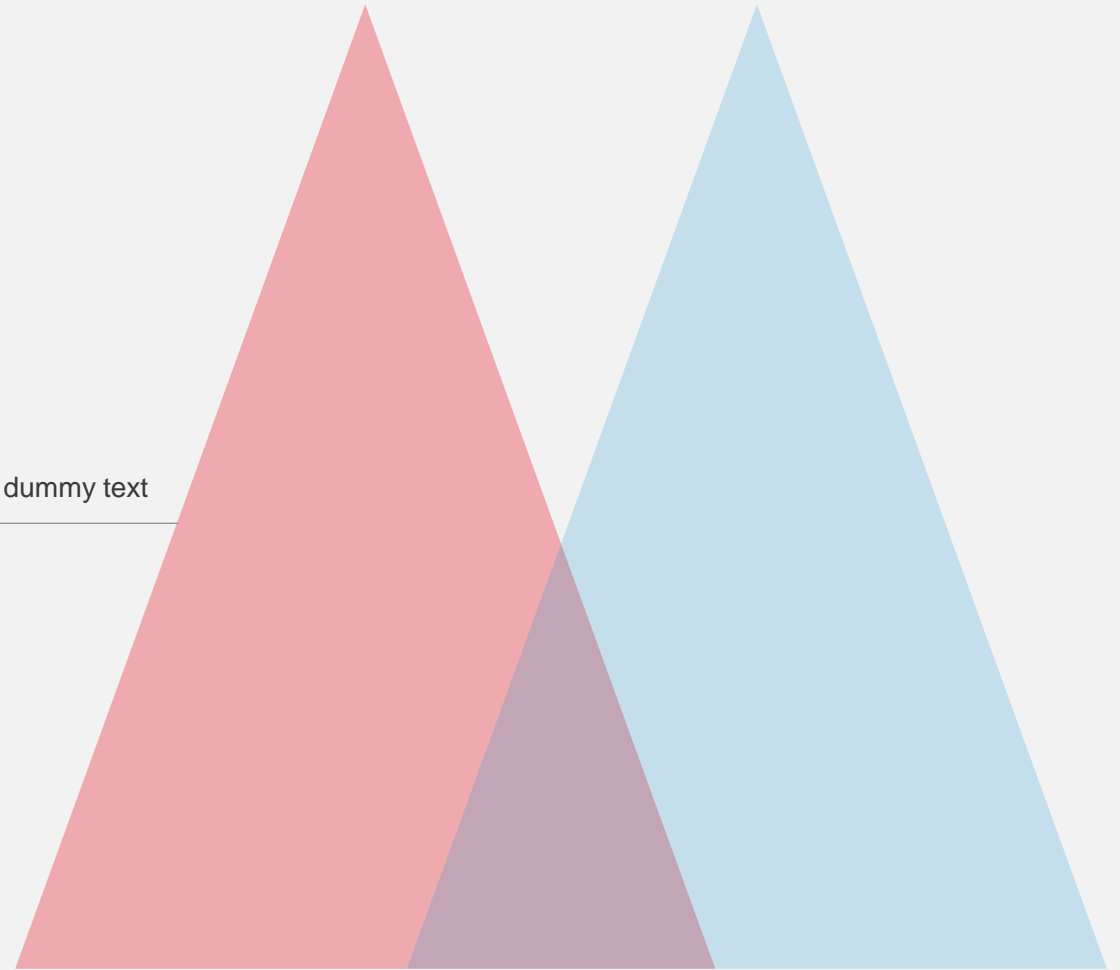
CCTV Cooperation System



001

Lorem Ipsum is simply dummy text

CCTV



Protecting From Crime

범죄예방

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.



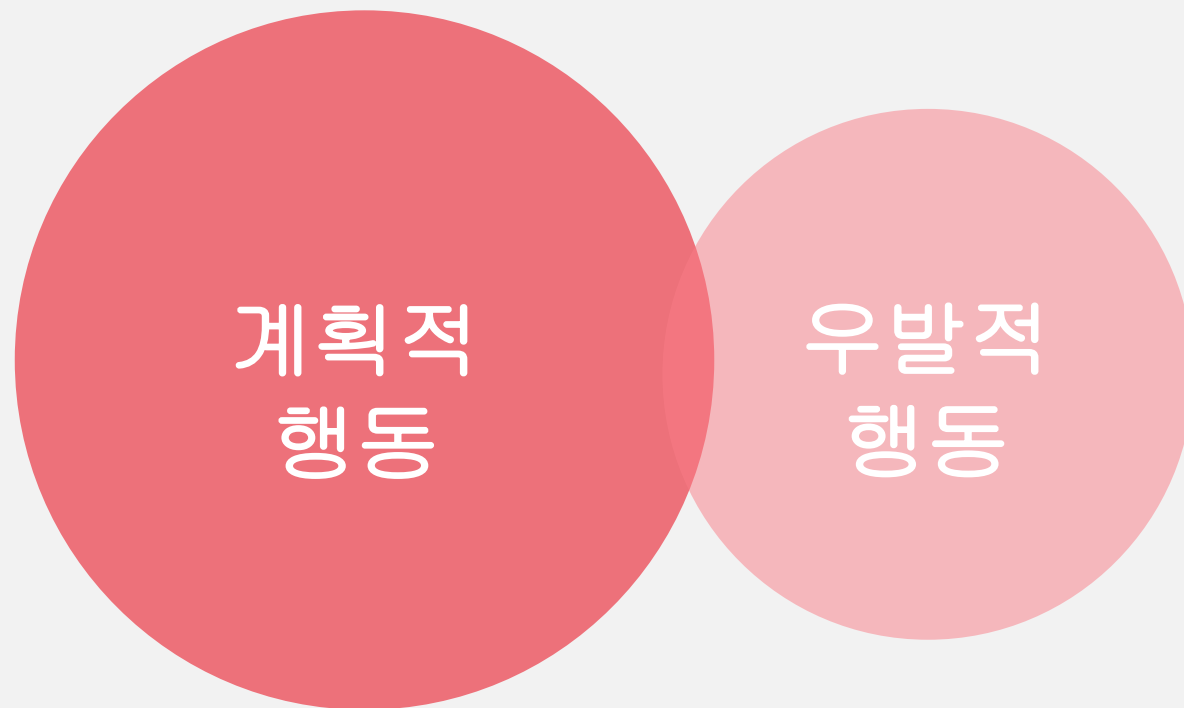
질서유지

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

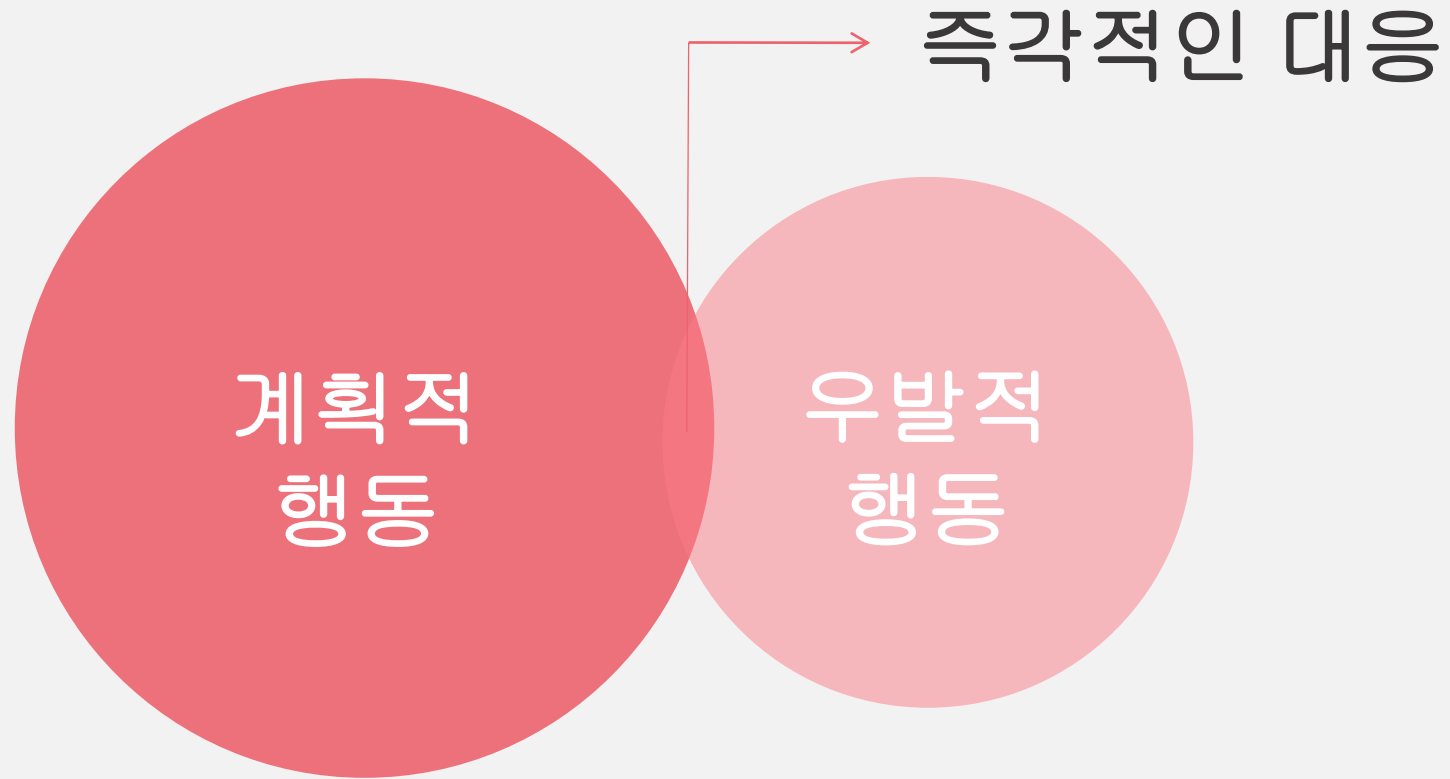
After Event

사후처리

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.



출처 : XXX YYY ZZZ (2014)



출처 : XXX YYY ZZZ (2014)

초기

영상 확인과 대응

사후, 영상을 확인하여 대응

현재

영상 실시간 감시

모니터 요원이 실시간으로 감시 대응

목표

AI 기반형 CCTV

AI가 실시간으로 감시하고 대응

실시간 대응



지능형 CCTV

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.



경찰드론

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.



통합관제

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

분류	지능형 CCTV	경찰드론	통합관제
목적	실시간 대응		
비용	상	상	상
특징	영상 자료를 실시간으로 인공지능이 판단	판단된 결과로 즉각적인 출동	영상 자료를 바탕으로 통합관제
요구사항	정확한 판단 능력	정확한 판단 능력	정확한 판단 능력



영상 정보의 Integrity

CCTV 해킹 느는데...정부 해킹 사이트 모니터링만?

박성중 의원 "해킹 방지 홍보 미흡, 근본적 대책 마련해야"

<http://www.inews24.com/view/1135870?rnf=nv>

"전국 400만 CCTV 해킹 무방비 노출...과기정통부 '나 몰라라'"

국내 CCTV 증가율 11%...대부분 해킹 취약한 中 제품

임재덕 기자 | ljd@newsprime.co.kr | 2018.10.10 09:47:52

<http://www.newsprime.co.kr/news/article.html?no=432103>

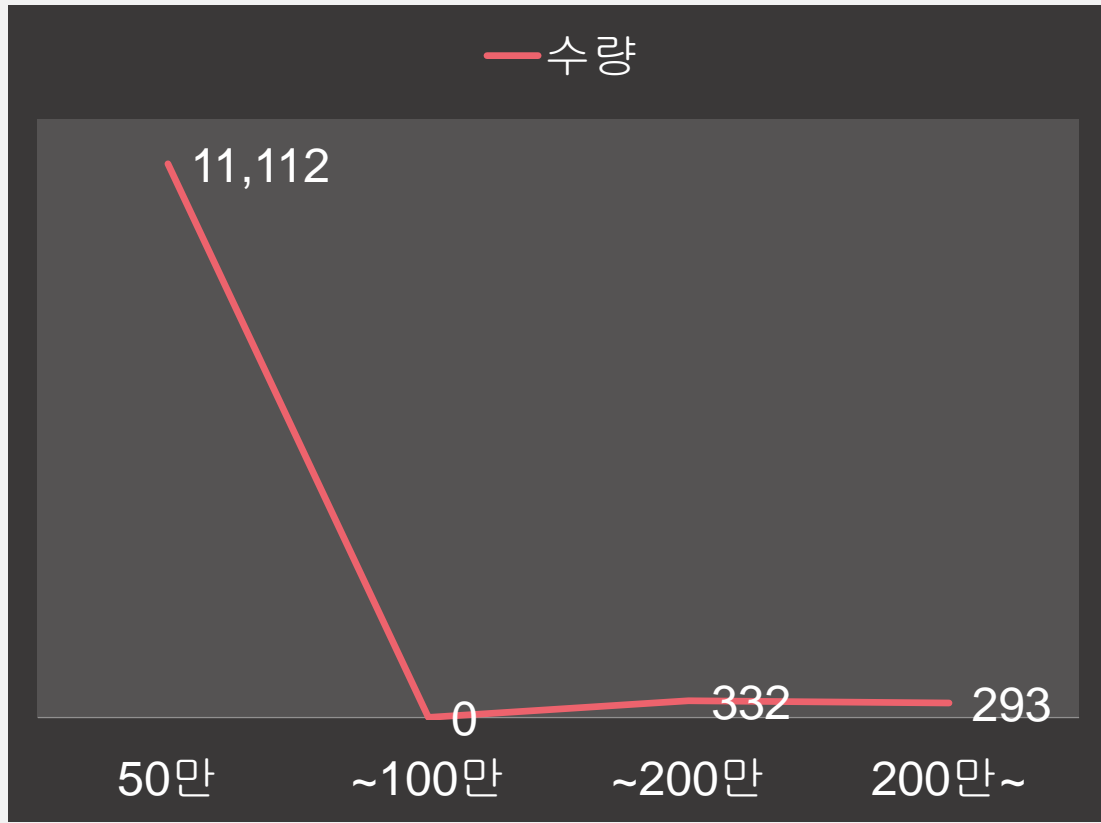
[d이슈] 가정용 CCTV, 12초면 해킹된다고? 해킹 피하려면...

김아연 기자 입력 2017-07-28 16:39 수정 2017-07-28 16:47

<http://news.donga.com/3/all/20170728/85574512/1>

영 상
조 작, 삭 제





서울지하철 CCTV 95% 무용지물

기사입력 2018-10-23 09:35

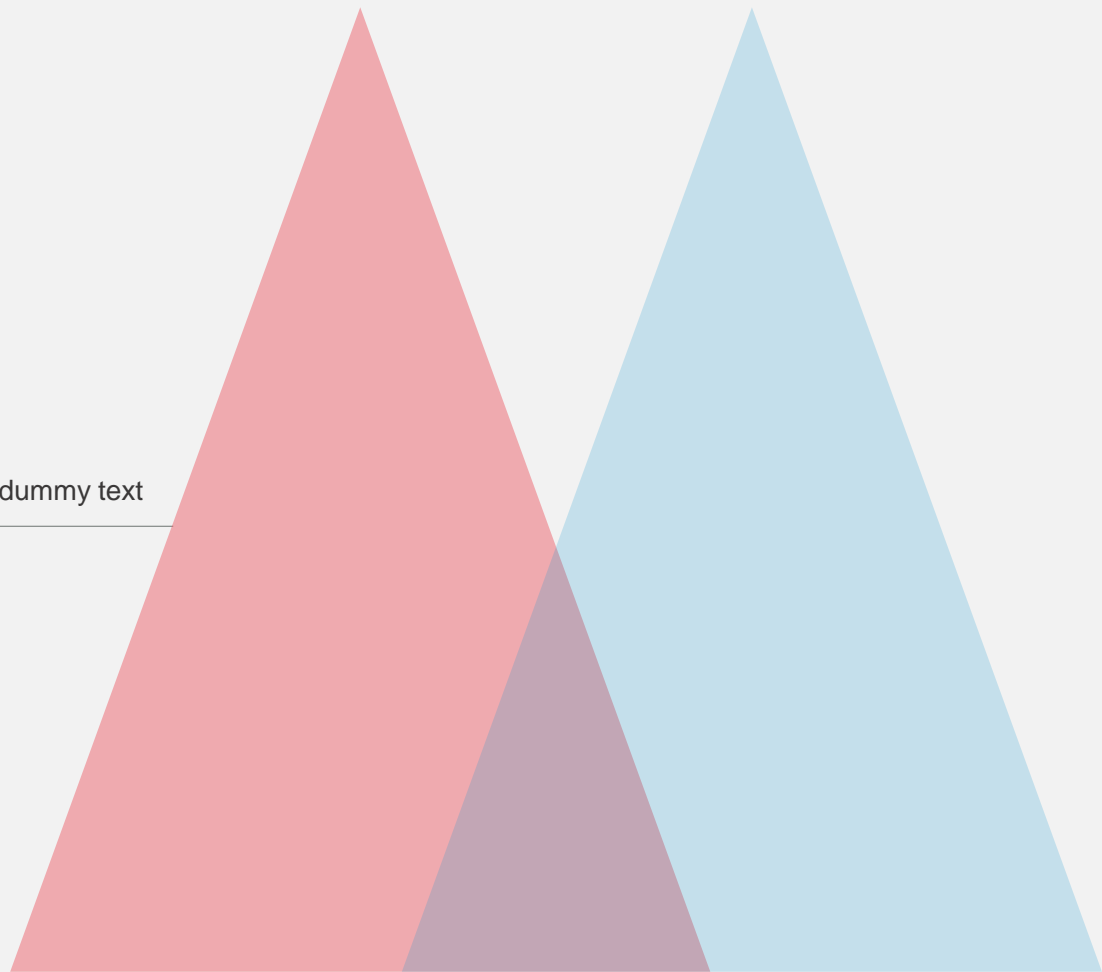
<http://news.heraldcorp.com/view.php?ud=20181023000139>

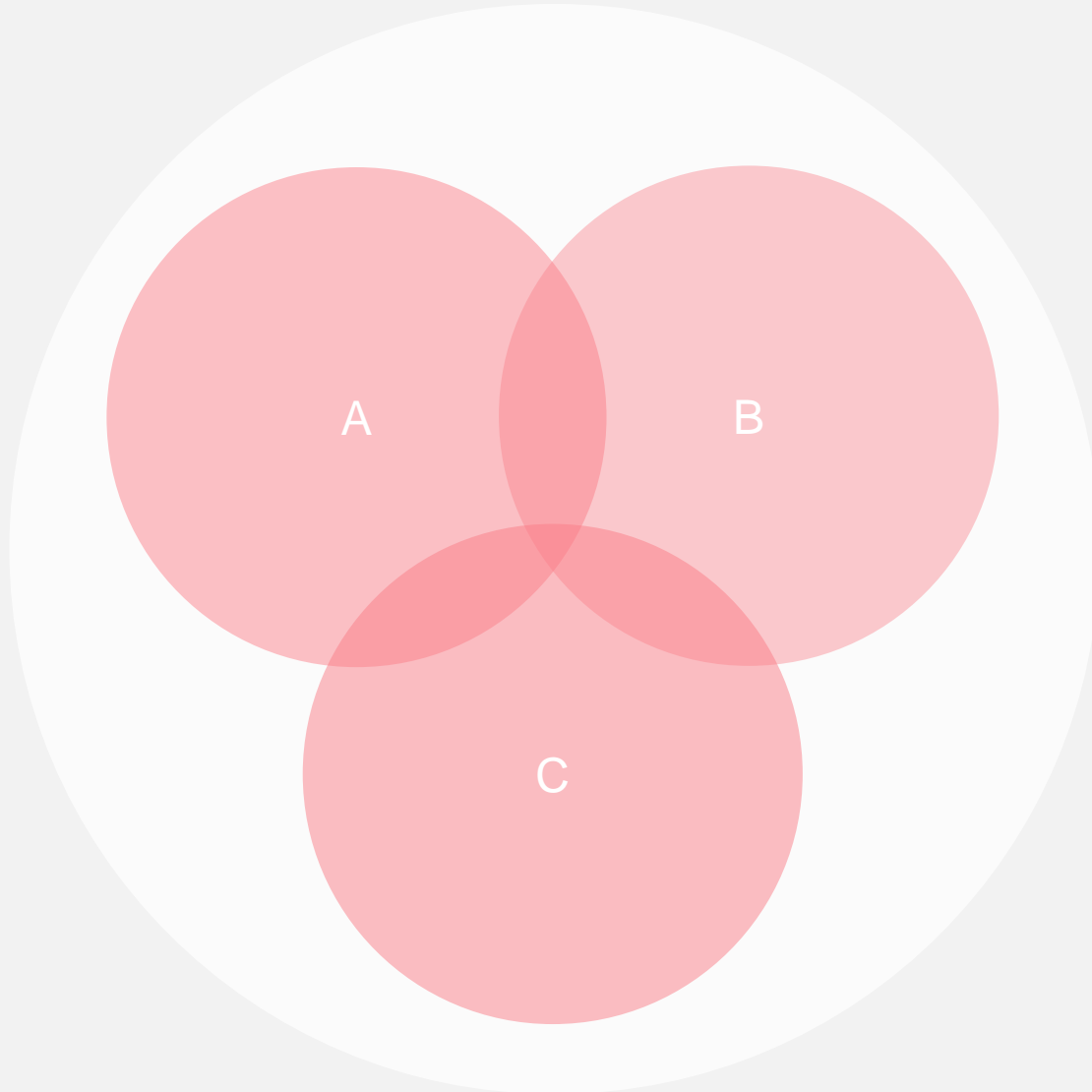
오작동

002

Lorem Ipsum is simply dummy text

영상 검증 시스템 소개



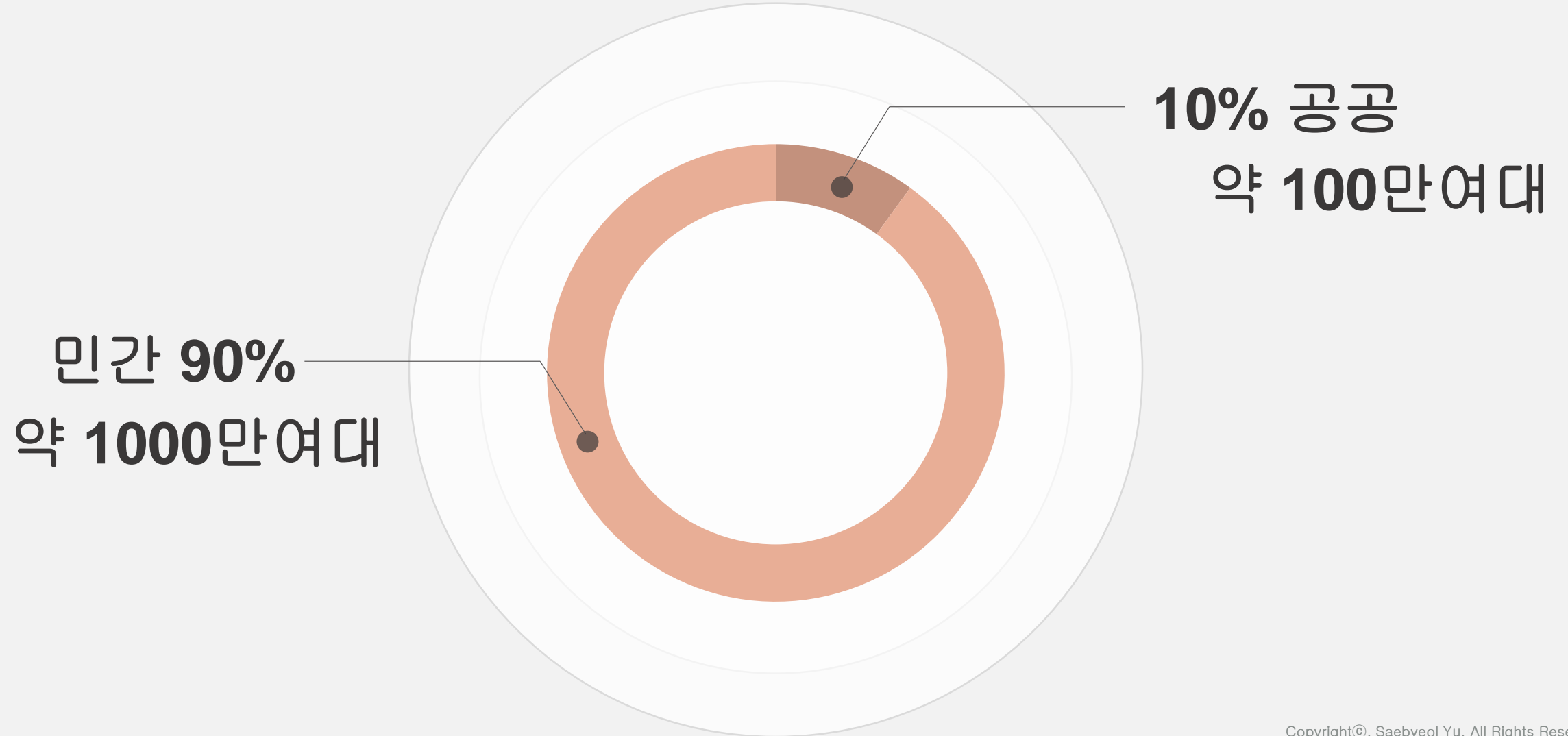


CCTV간 협력

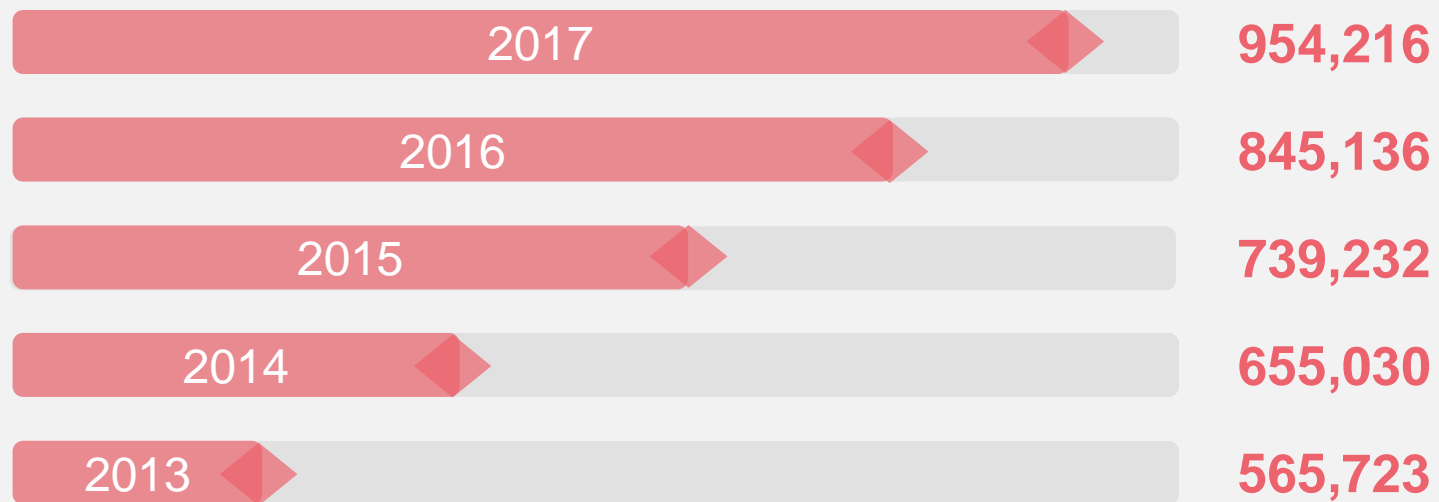
공통 범위를 함께 감시하여
영상 자료의 무결성을 확보한다.



CCTV 대수 추정량

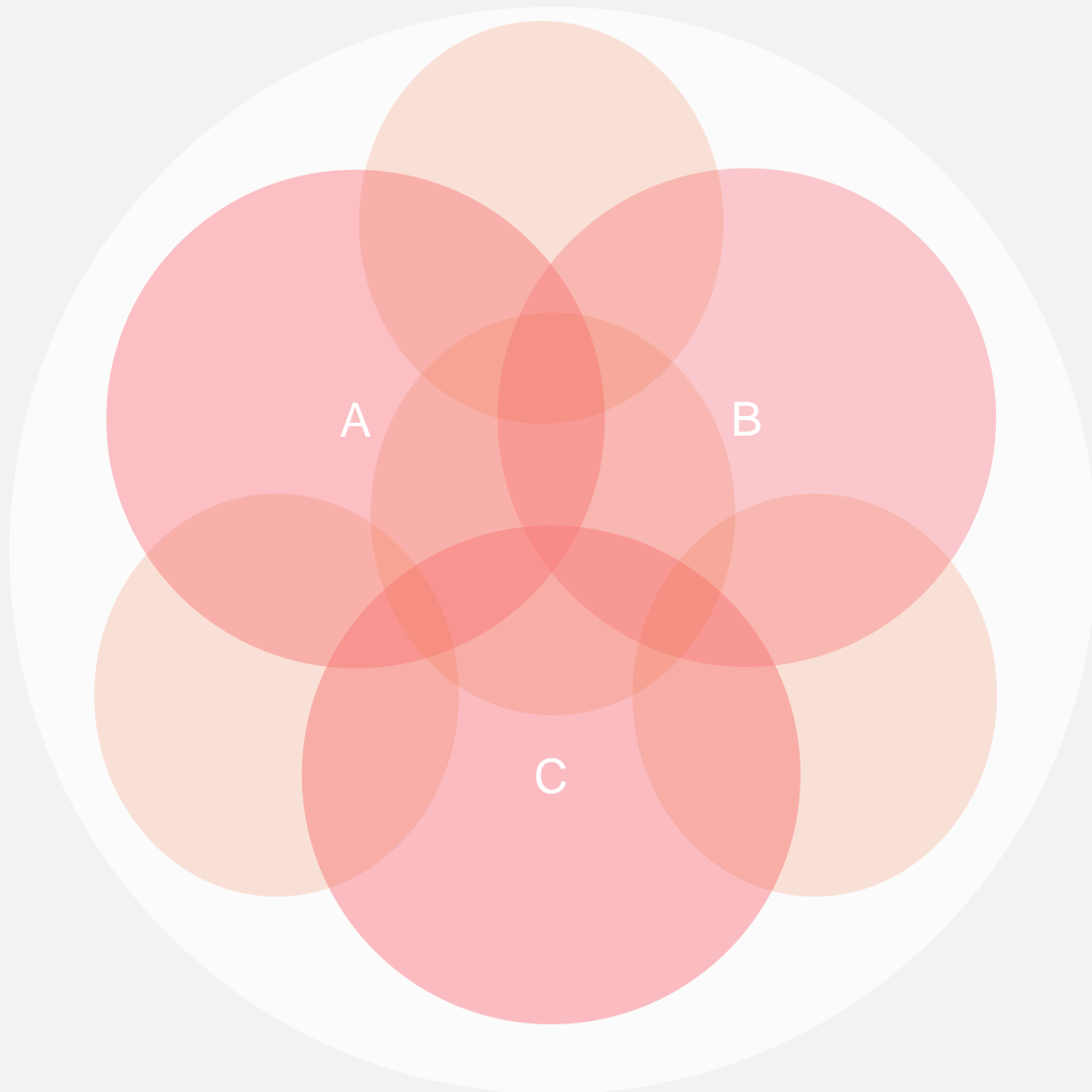


CCTV 증가량 < 공공 >



연평균
10% 증가량

행정안전부

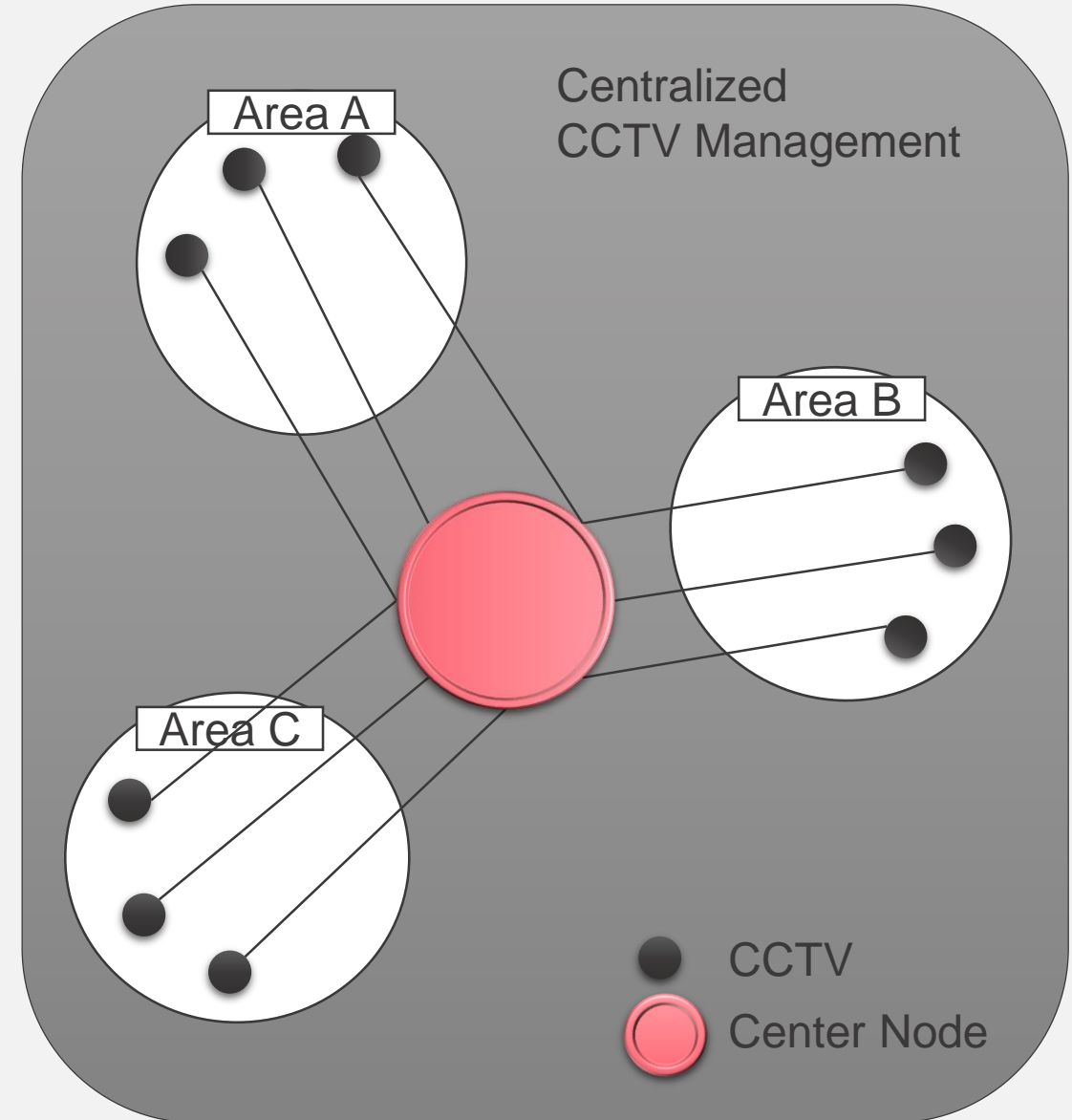
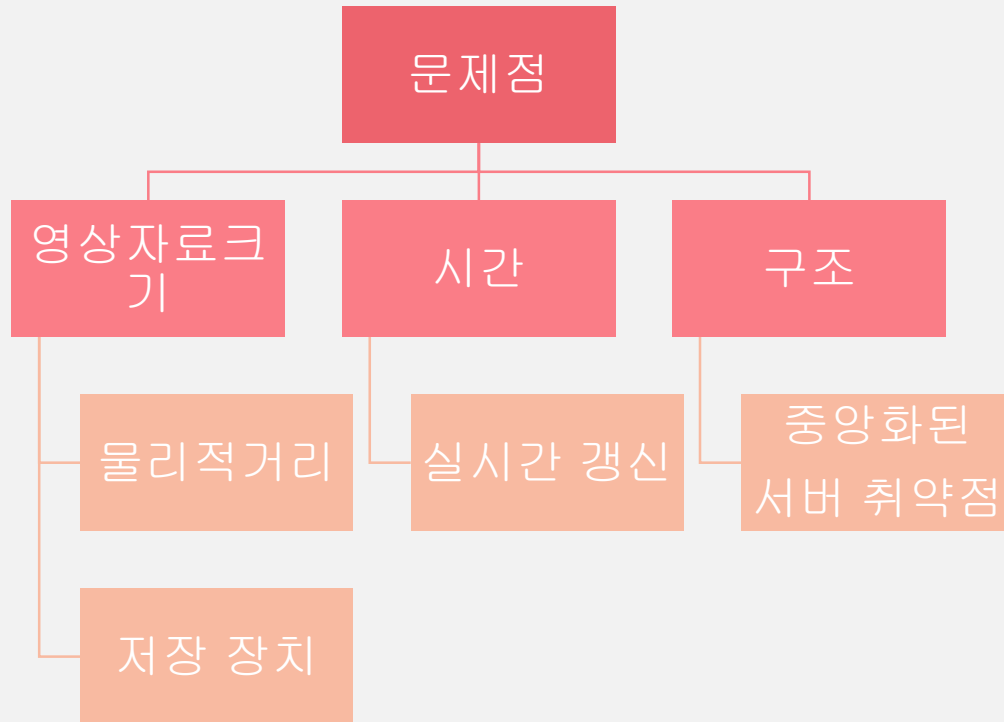


CCTV간 협력

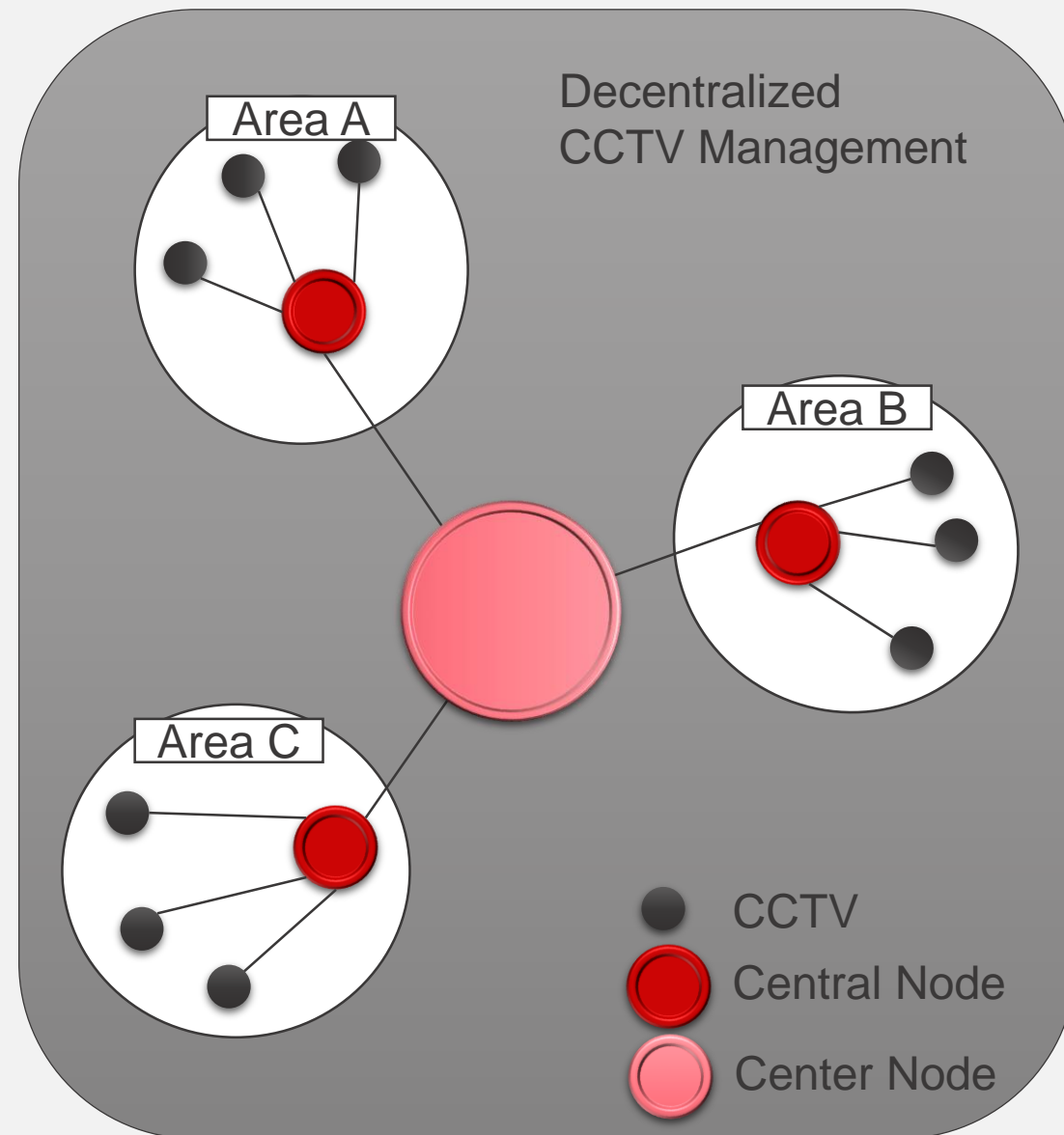
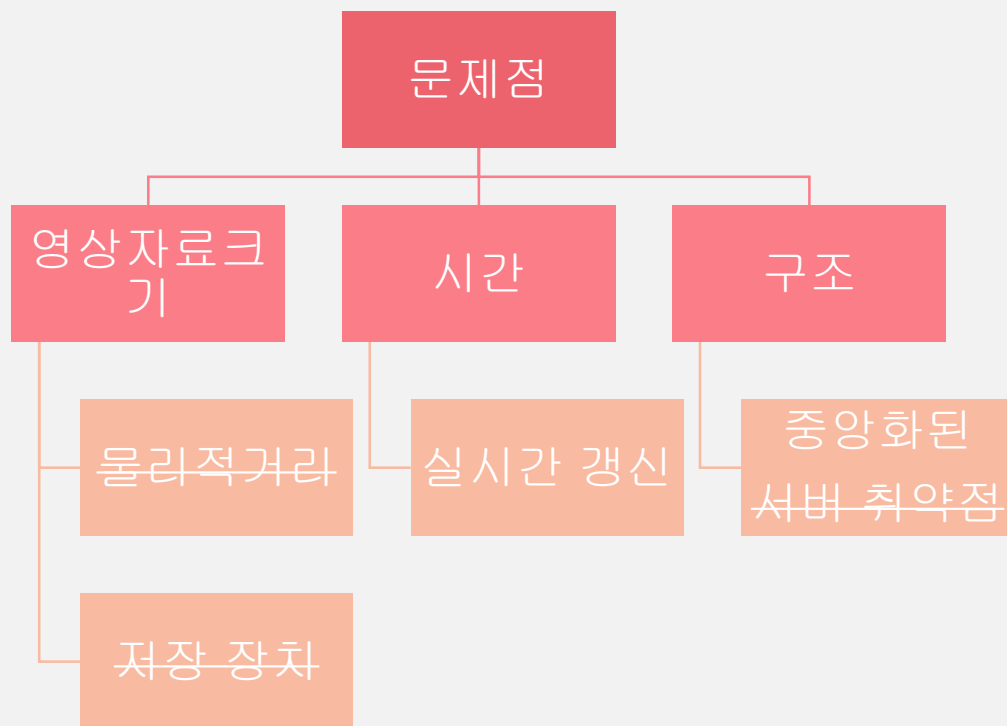
공통 범위를 함께 감시하여
영상 자료의 무결성을 확보한다.

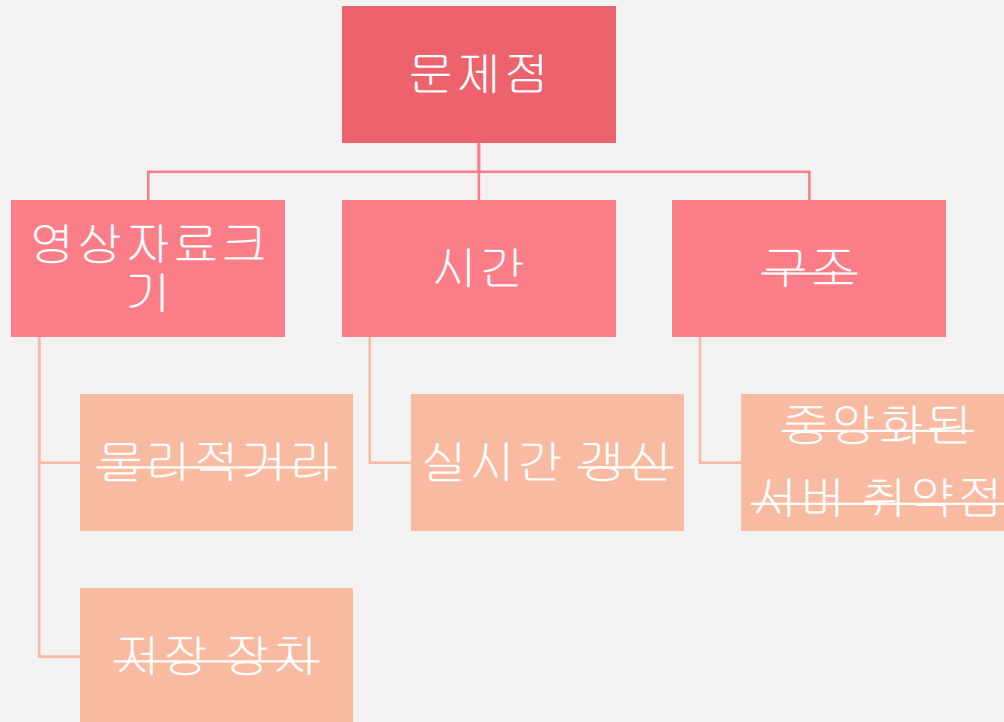


구조설명

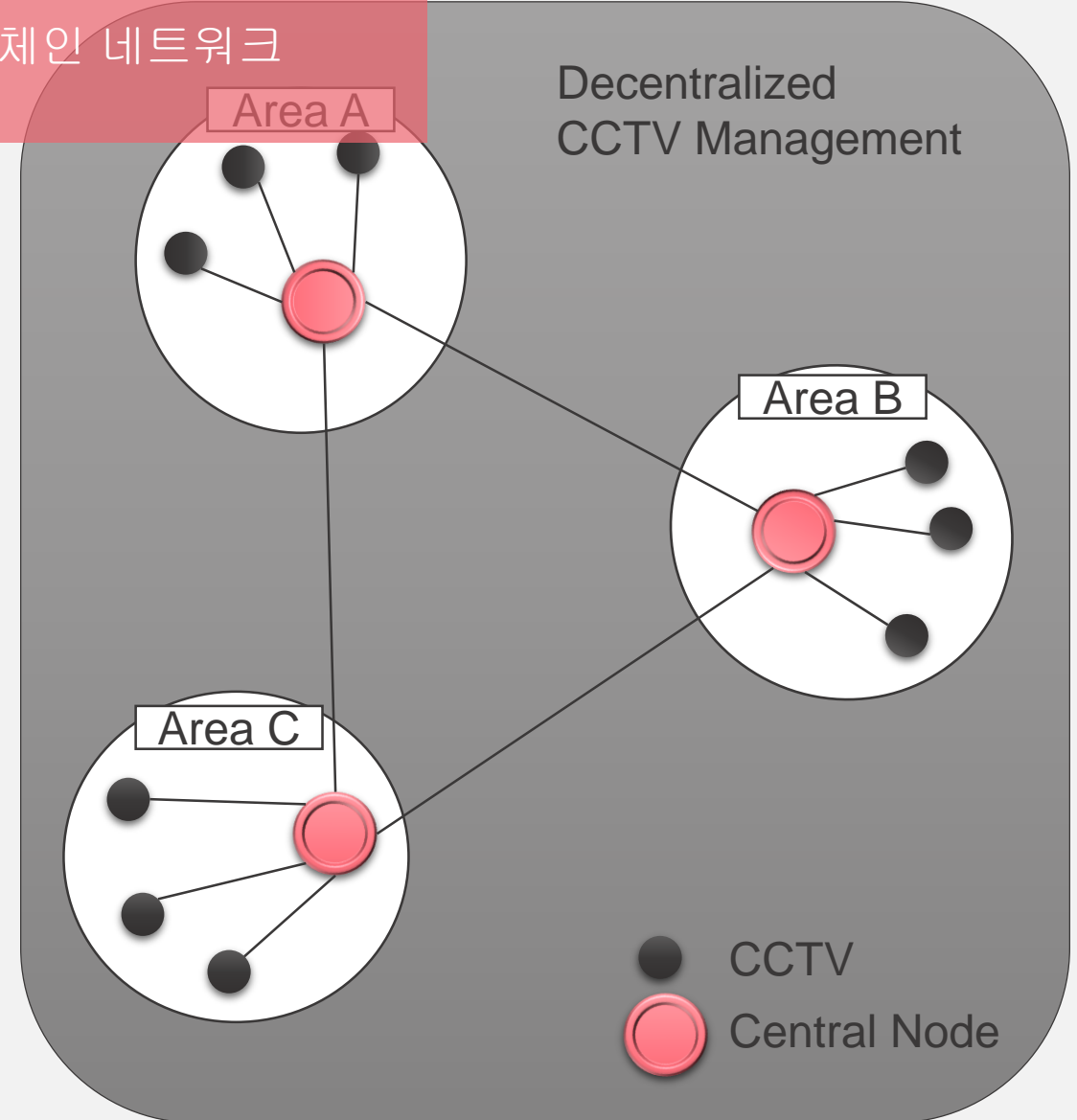


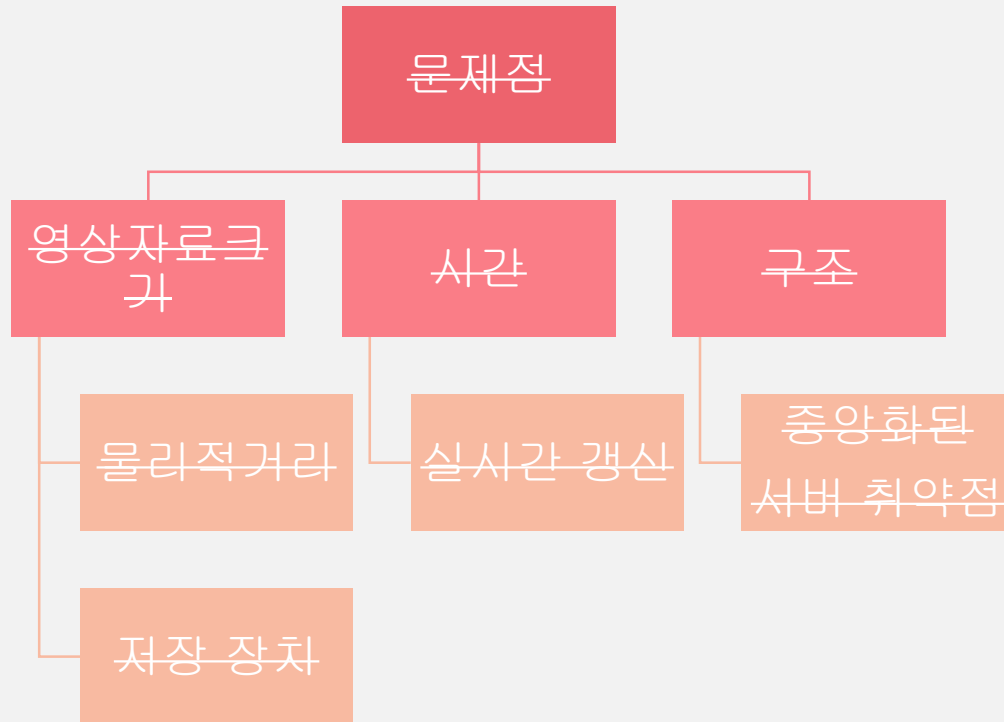
구조설명





블록체인 네트워크





영상 자료가 아닌
인공지능 분석 정보만을 활용

Core Information					
	Car A	Person A	Fight	Dumping	Crash
CCTV A	Y	N	N	N	Y

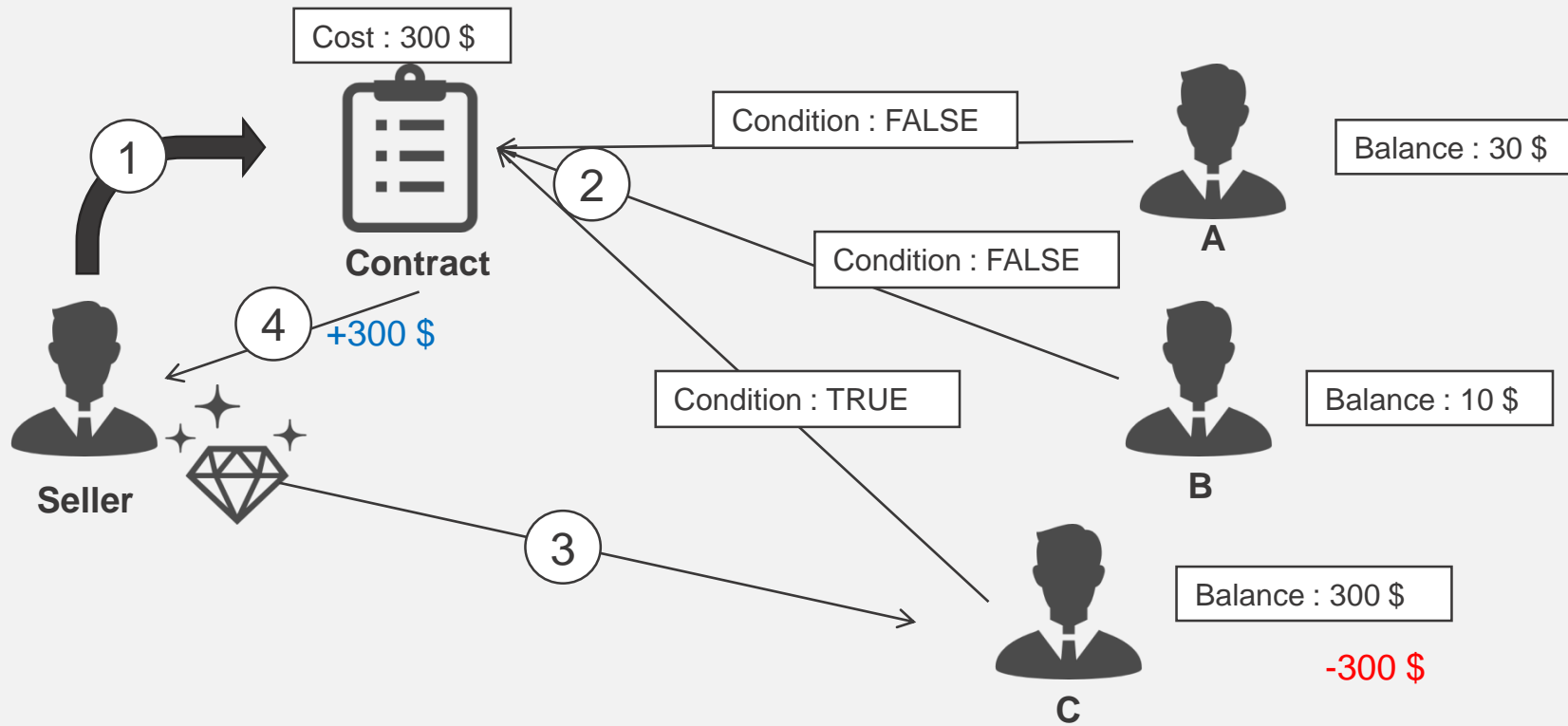
003

Lorem Ipsum is simply dummy text

구현



Smart Contract





Ethereum

금융 거래 뿐만이 아닌 데이터의 거래의 구현

누구나 참여 가능



JAVASCRIPT & WEB3

누구나 접근 가능한 인터페이스 제작

이더리움 플랫폼과의 연동을 위한 WEB3 활용



ETC

솔리디티 언어, 미스트, 리믹스 등 개발 보조 도구

공공,민간
CCTV



WEB3

Dapp
Contract

Ethereum

BLOCK

트랜잭션
트랜잭션
트랜잭션

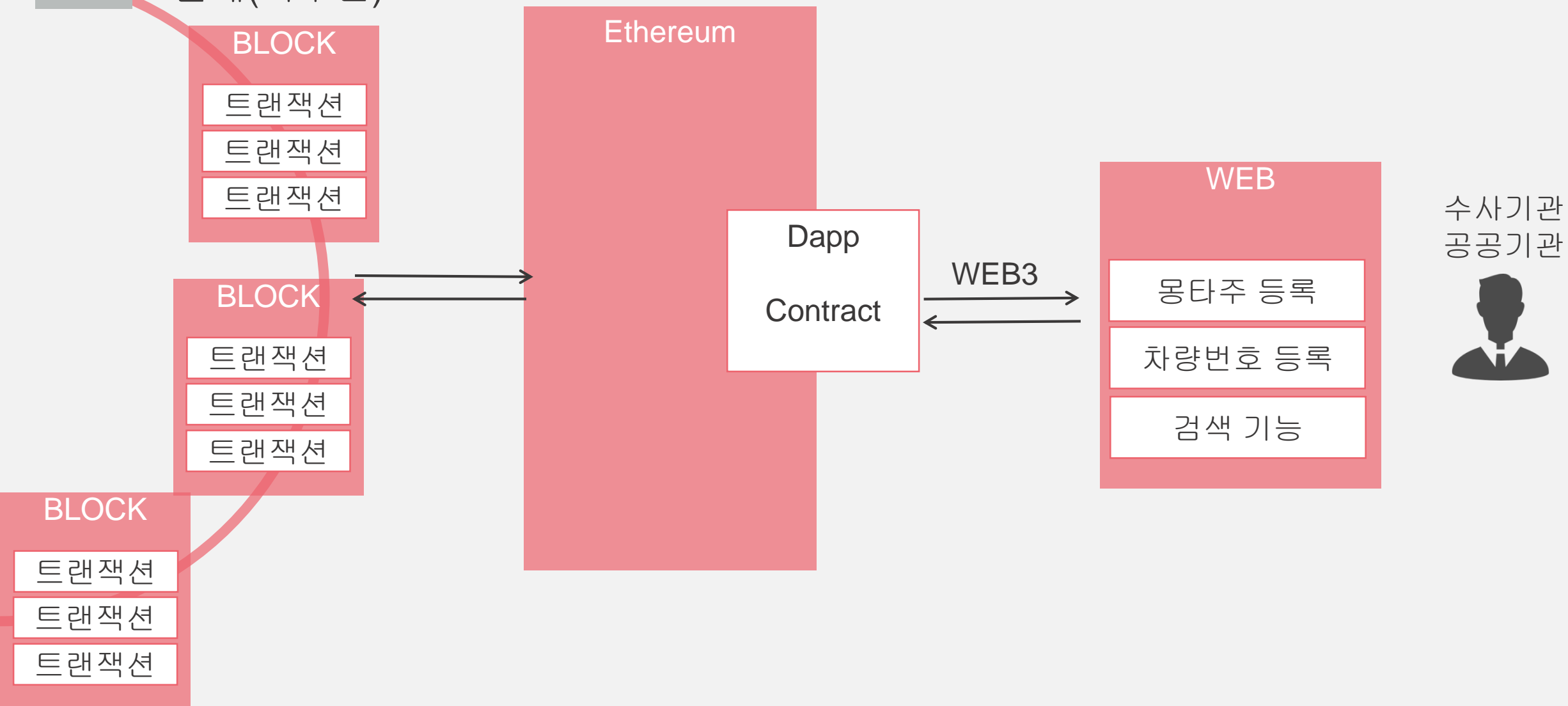
BLOCK

트랜잭션
트랜잭션
트랜잭션

BLOCK

트랜잭션
트랜잭션
트랜잭션

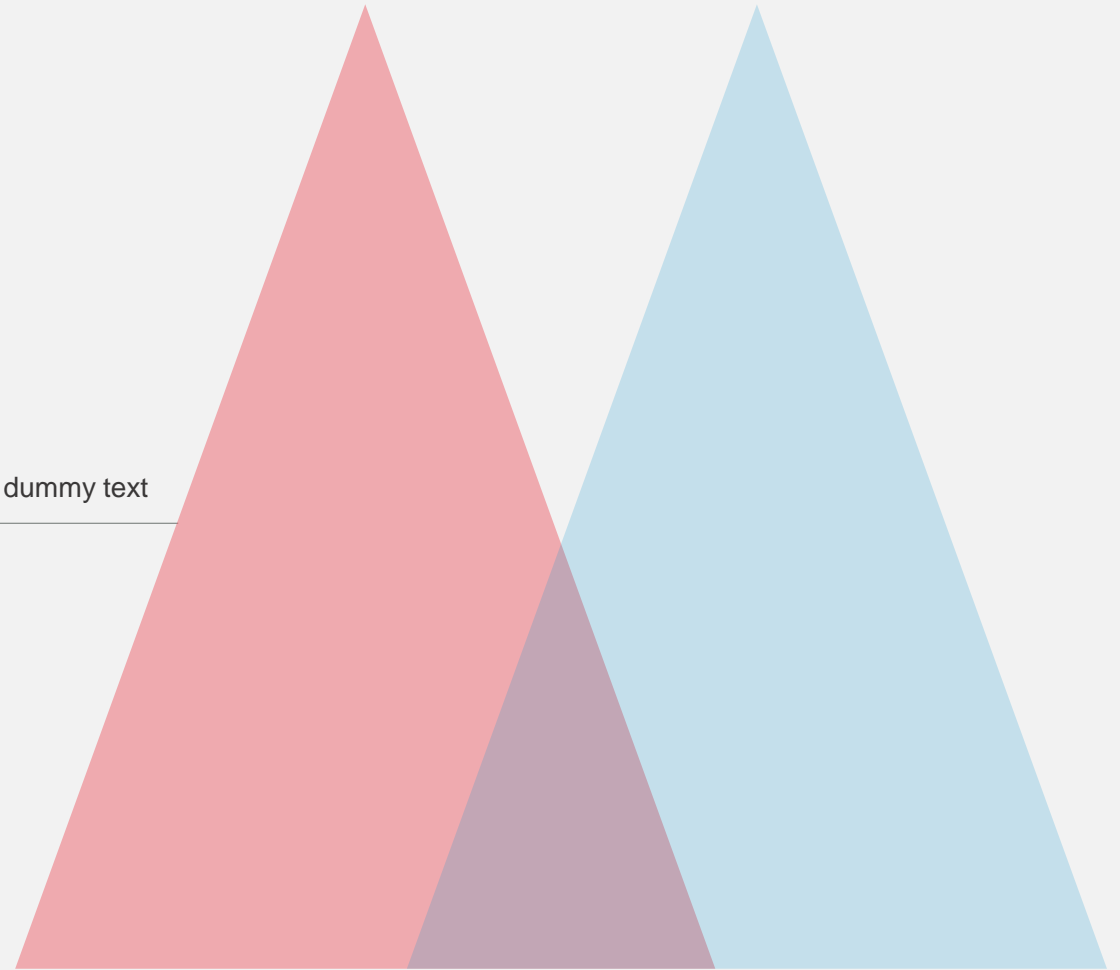
설계(미구현)



004

Lorem Ipsum is simply dummy text

기대효과



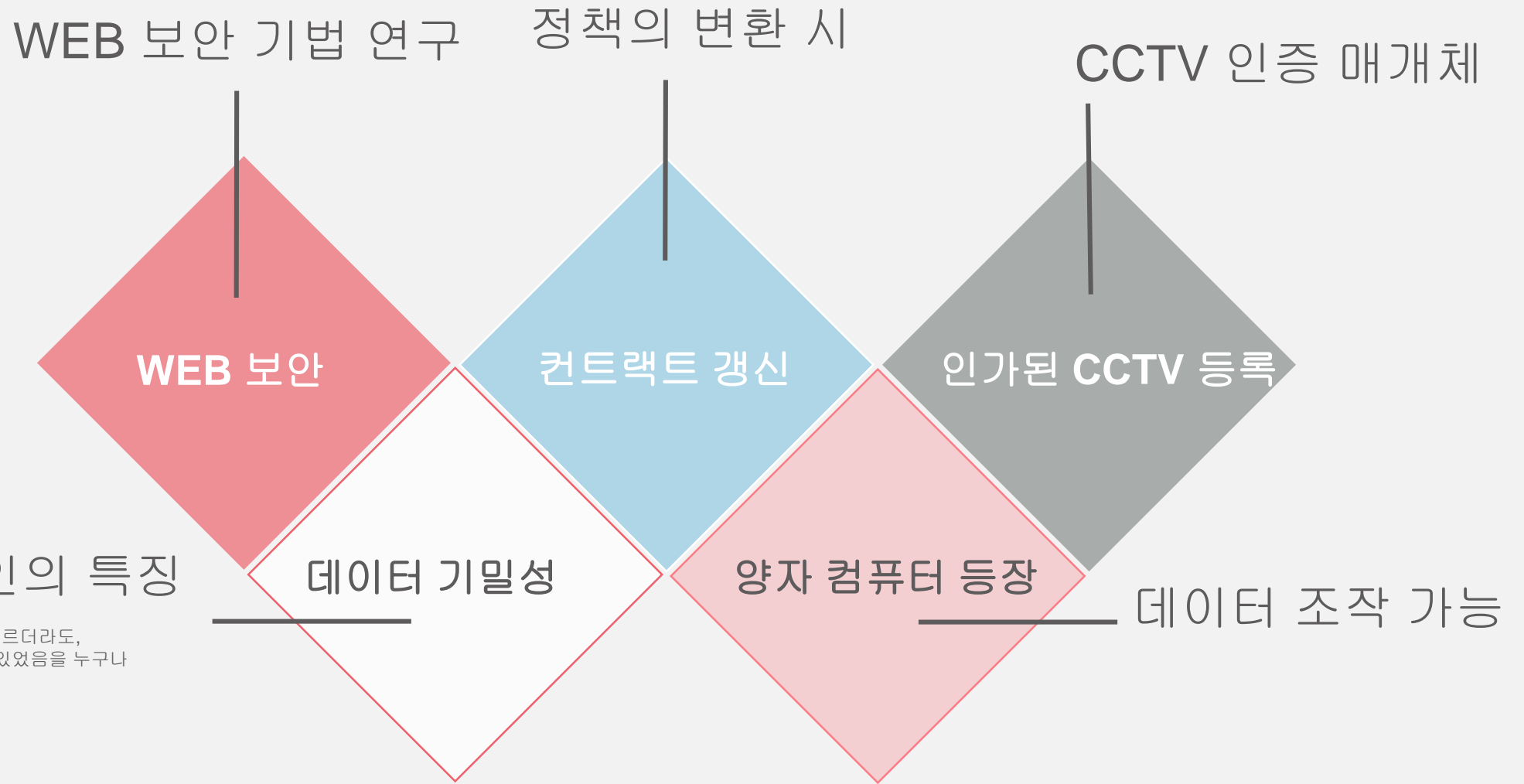


005

Lorem Ipsum is simply dummy text

한계점





누가 참여했는지는 모르더라도,
그 지역에 무슨 일이 있었음을 누구나
알 수 있음

006

Lorem Ipsum is simply dummy text

감사합니다

