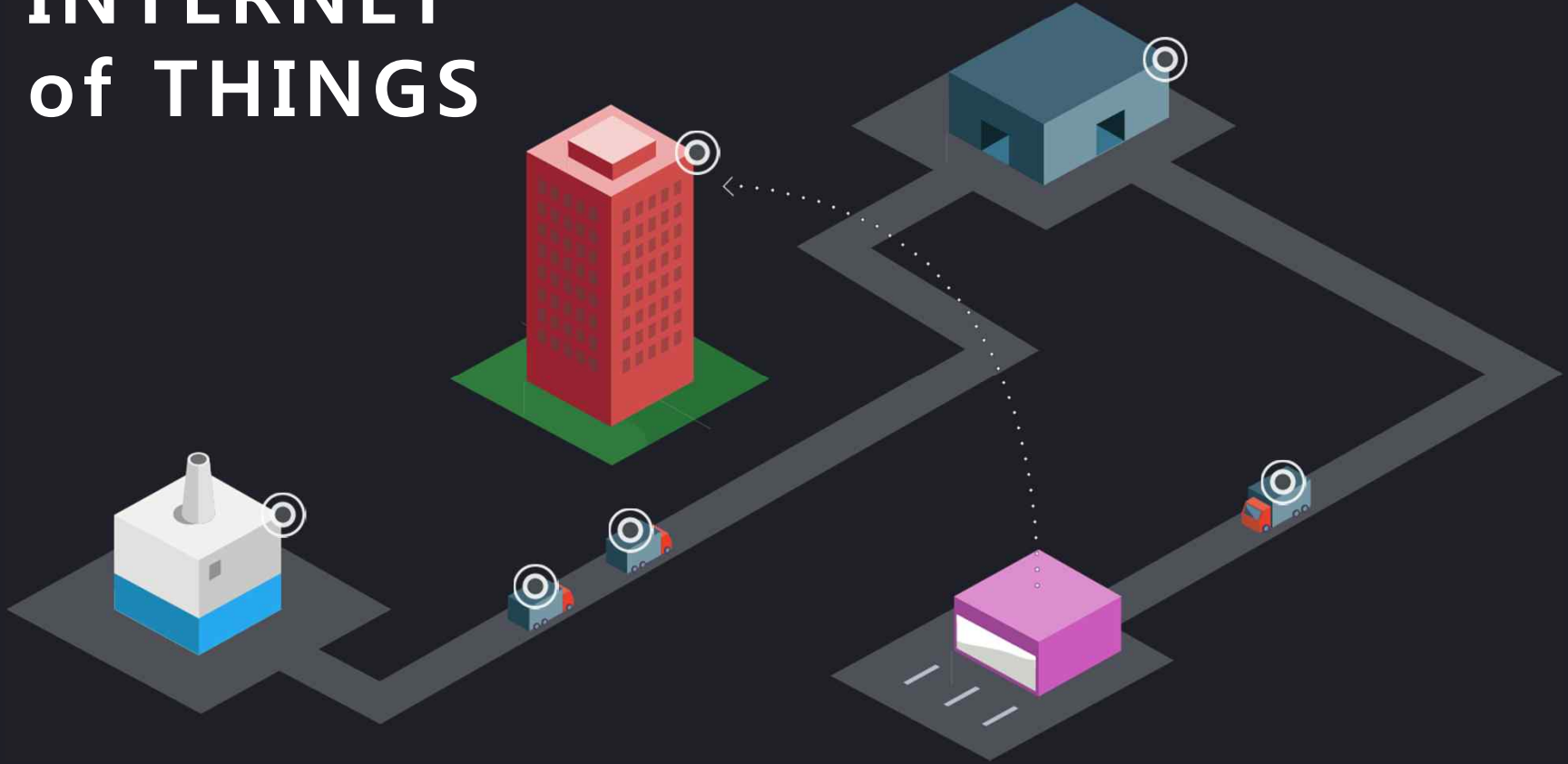


사물인터넷의 현재와 미래

신동준 상무 | 삼성전자 IoT 사업화팀

INTERNET of THINGS



An isometric illustration on a dark background showing various IoT-connected objects. A pink house on the left has a target icon on its roof, with a dotted line connecting it to a small blue and red truck on a road. In the center, a white factory building with a chimney has a target icon on its side, with a dotted line connecting it to a tall red building on a green base. Another dotted line connects the red building to another truck on the road. A blue building on the right also has a target icon. The overall scene represents a network of interconnected physical objects.

IoT = INTEROPERABILITY
of THINGS

스마트 홈



반려동물 돌봄 서비스



헬스케어



스마트 공장





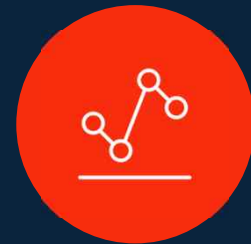
반도체 기술 발전



신규 센서 기술



통신 기술



빅데이터 분석



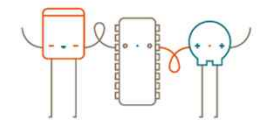
ARDUINO



Genuino

AN OPEN PROJECT WRITTEN, DEBUGGED,
AND SUPPORTED BY ARDUINO.CC AND
THE ARDUINO COMMUNITY WORLDWIDE

LEARN MORE ABOUT THE CONTRIBUTORS
OF [ARDUINO.CC](https://arduino.cc) on arduino.cc/credits





IoT 기술을 적용하는 회사

41% → 80%

* Machina Research

A world map with the continent of Asia highlighted in a vibrant red color. The rest of the map is in a dark, muted red. The map is centered on the Pacific Ocean.

2020년 연결된 기기 개수

86억

* IDC

미래를 위한 비전

개방성



프로젝트





SAMSUNG
ARTIK™

**DELIVER, SECURE, INTELLIGENT,
INTEROPERABLE PRODUCTS AND SERVICES**

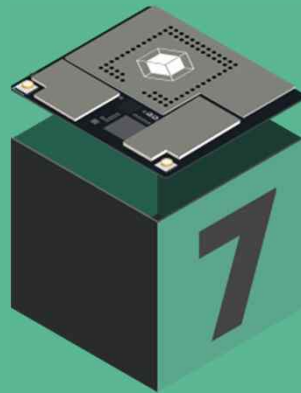
ARTIK 모듈



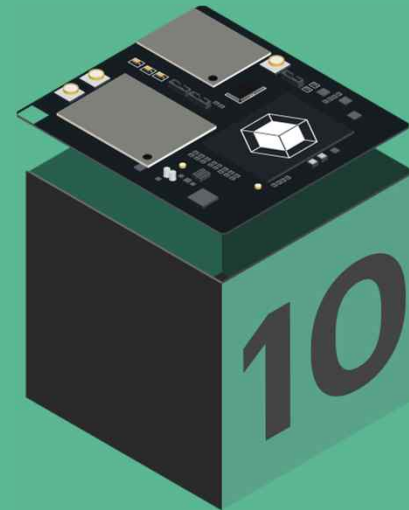
ARTIK 0



ARTIK 5



ARTIK 7



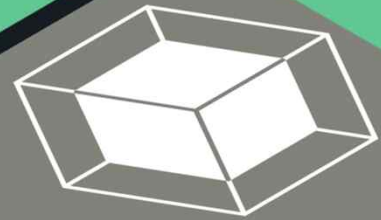
ARTIK 10

CPU + 메모리 + 무선통신 + 보안기술

저전력 통신 모듈



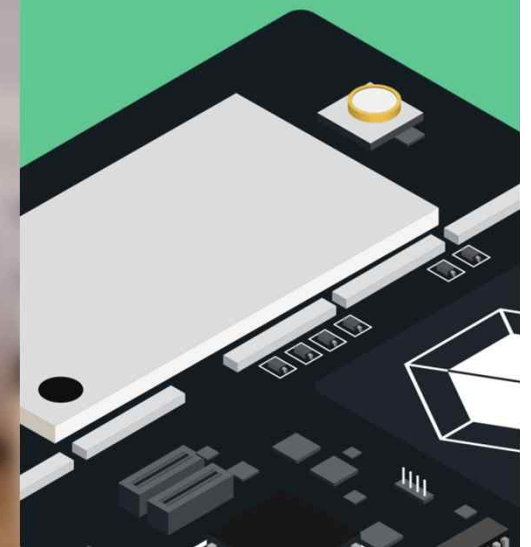
ARTIK 0



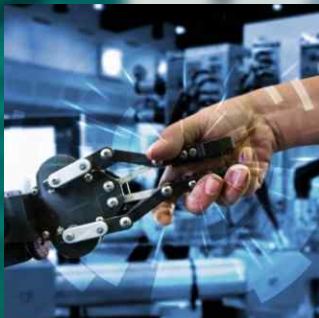
최적의 크기, 성능, 소모전류



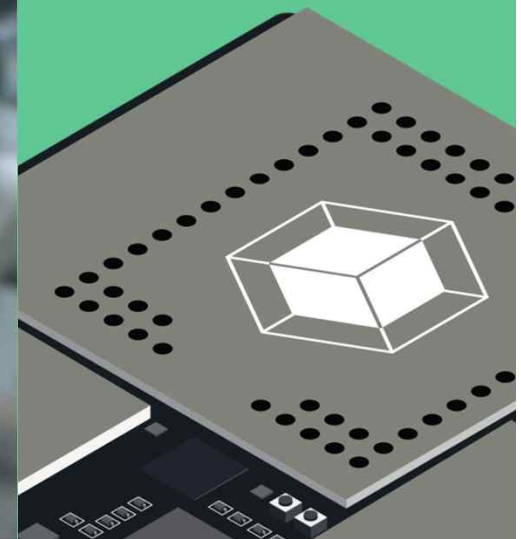
ARTIK 5



고성능, 멀티미디어 처리



ARTIK 7



영상 분석, 대용량 메모리



ARTIK 10



다른 업체 제품을 연결하려면?



Samsung
ARTIK[™] Cloud



사물 등록을
쉽고 안전하게



⋮



⋮



서비스 연계



"오늘 기온은 15도입니다.
옷을 따뜻하게 입으세요"

사물 네트워킹



획책하는 상황

"잘 다녀오세요!"



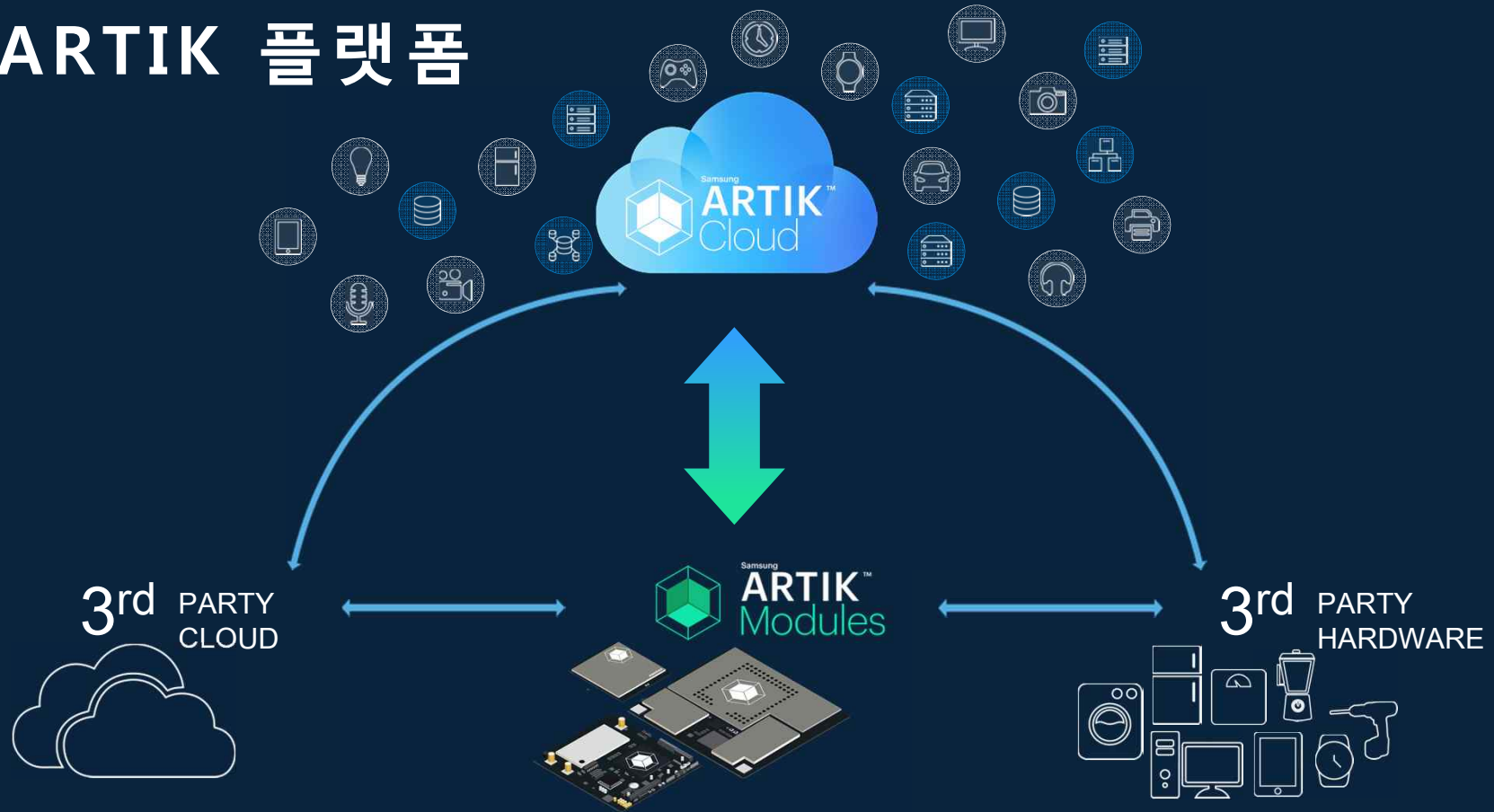
사물 자원 관리



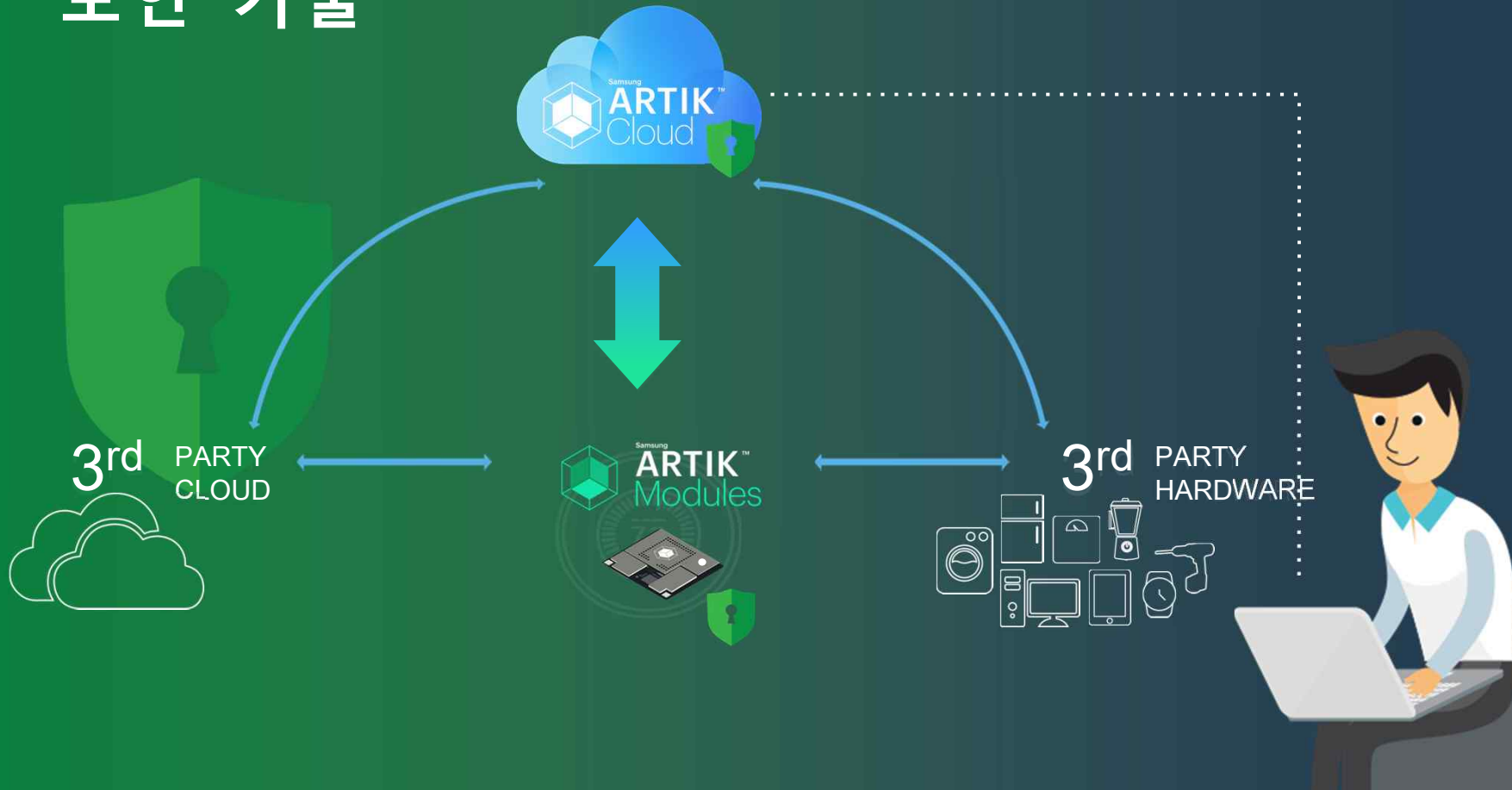
PREMIUM
SERVICE



ARTIK 플랫폼



보안 기술

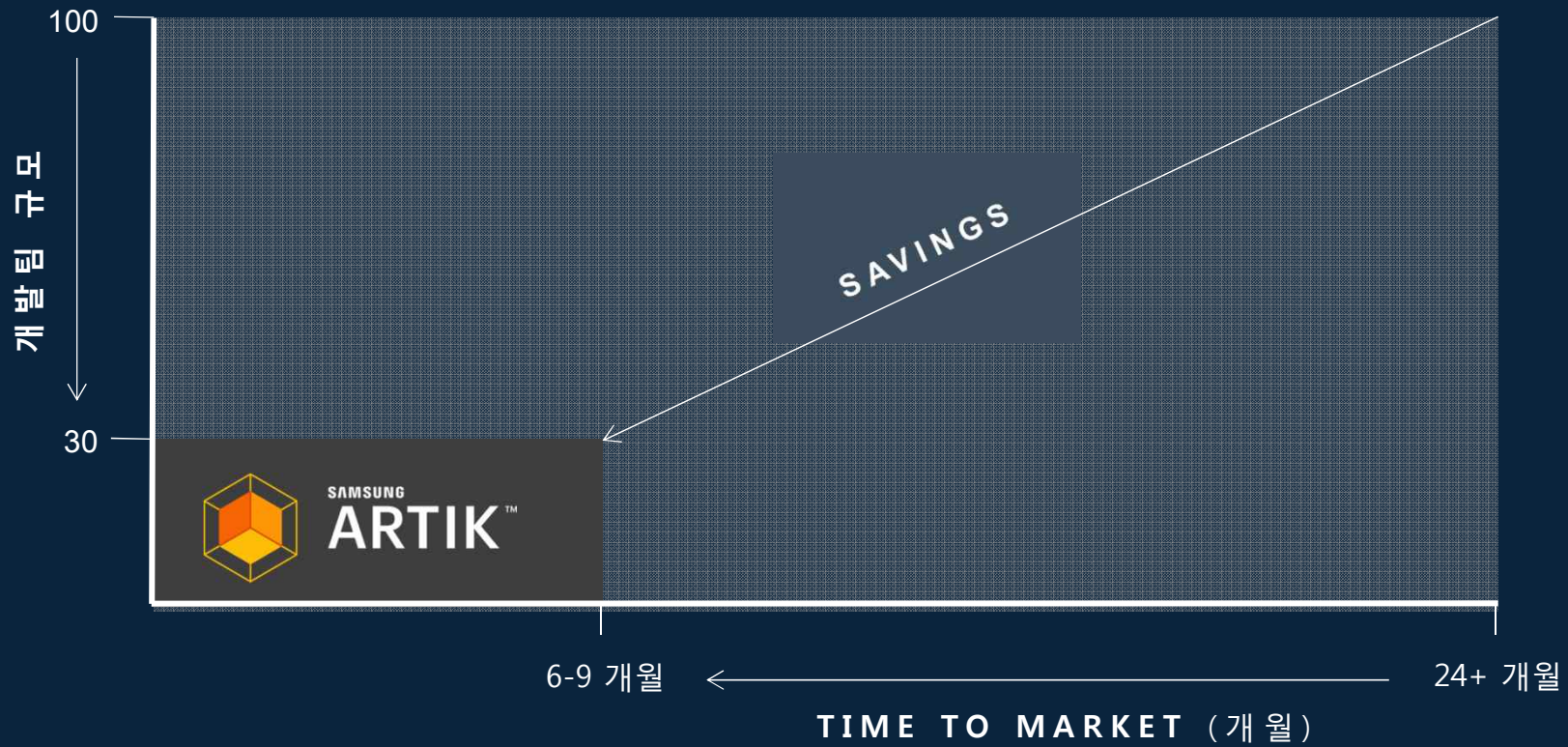


IoT 플랫폼이
필요한 이유



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ARTIK 적용 시 기대효과



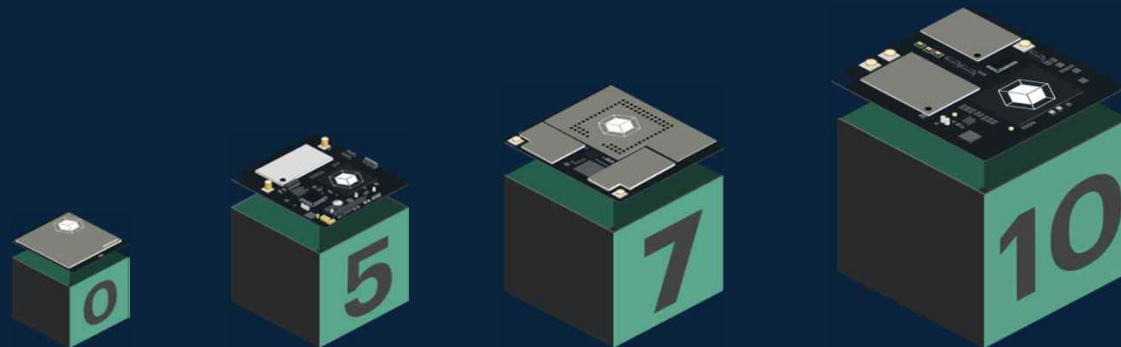


 Kong Monitoring

API First



<https://developer.artik.cloud/documentation/api-reference/>



<https://developer.artik.io/documentation/api/>

오픈 소스



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IoTivity 기반의 사물 연결



✓ **오픈 소스 & 공개된 표준**

- 누구나 MAINTAINER가 될 수 있고
- 누구나 자신의 제품을 만들 수 있다

✓ **상품화 수준의 오픈 소스**

- 삼성 제품을 통해 상품화 검증됨
- 스마트 TV, 갤럭시 기어 등으로 출시



<https://www.artik.io/>