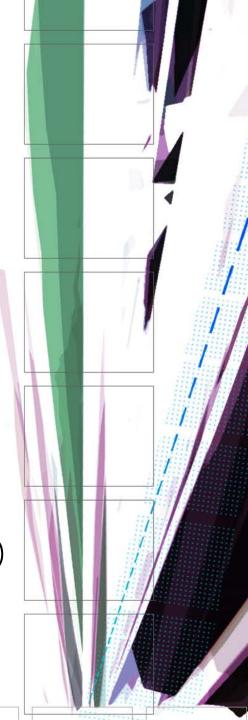




# 특징, 핵심 키워드

- 인공 지능, 사물 인터넷, 빅데이터, 모바일 등 ICT 기술이 경제·사회 전반에 융합되어 파괴적 혁신과 변화 추동
- 물리적, 생물학적, 디지털세계의 빅데이타 통합 (O2O, 스마트 기기 매개)
- IoT 진화와 디지털화 : Hyper-connectivity, 빅데이타와 AI 연계: Hyper-intelligence
- Technology driven Innovation(6대 핵심기술)
   : AI, Robotics, IoT, 3D printing, Nano Tech.
   Smart Transportation,





### **INDUSTRY**

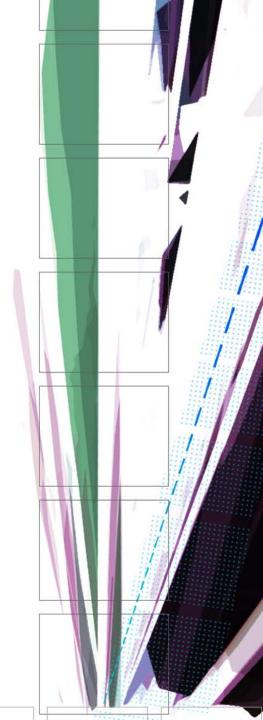
- Borderless & Convergence: inter-industry, inter-sector, inter-countries.
- Big Data & Knowledge as Competitive Advantage
- Speed as critical survival factor;
   1st Mover Strategy, Increasing Returns to Scale
- Sharing Business/Economy
- Open-Collaborative Innovation model
- Ecosystem on the based of ICT platform
- More slim & small, then Stronger and smarter
- Smart company/ freelancer business

## MARKET/ HEALTH INDUSTRY

- Value chain change:
   Diagnostics & Treatment → Prevention,
   Wellness and Predictive Med.
- Convergence betw. life wellness, home care and hospital and
- Big data as asset
- Technology driven business & product (sensoring skill, organ on chips, robots,genomics...
- Revolution in service delivery:
   Ds management process, pathway, time & spatial
- Diversification of revenue, life-cycle business platform(fr. prevention to post-treatment)
- Freelancer, new job
- Global Health Care, China, Asian...

## CONSUMERS/ PATIENTS

- Ageless but 'new silver' & long life span,
   Strong & universal health demand
- Smart patients: seeker, information taker
- Participatory & Prosumer /Partnership in Dr-Pts,
- Decentralization & Differentiation: power shift in Dr.-Pts, specialty..
- Web (1.0~ 4.0 5.0)/
   Health 4.0/ Medicine 4.0
- Meditainment
- Communication media: image & video, story, SNS





# **CURRENT: Challenges**

- Big gap betw. new business and regulations, laws.. (slow, vague, not a reflect...)
- Closed system oriented regulation : barrier in open innovative ecosystem
- Conservative attitude in Technology Assessment, KFDA rules.
- Pros & cons in information utilization
- Not use well big data as asset..(Gov. private market)
- Not meet industrial demand in education /professional training
- No control tower in inter & intra Gov. / public-private partnership
- Ethical issues



### **FUTURE STRATEGY:**

- Policy Masterplan & Political Leadership in Set Up stage (control tower in GOV/Private)
- Success Model Making in Public Sector, first
- Open Industrial Ecosystem through user friendly Platform Infra.
- Flexible & technology friendly TA Industry, but monitoring & kicking out..
- Improving rules & regulations toward corresponding with Industrial demand
- Sharing Big Data & linking to product
- Ballence betw. information protection & usage
- Restructuring & retraining of Manpower (curriculums. Role, professional tracks..