

Geospatial Technology Innovation Underpinning Industry 4.0

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The 4.0 Paradigm

Industry 4.0 Paradigm



AI &
Advanced
Analytics



Blockchain



Cyber
Security



Robotics



3D Printing



Sensors &
IOT



AR/ VR /
Mixed Reality

Globalization 4.0 & Global Challenges



Trade wars &
protectionist
policies



Climate change, UN
sustainable dev
goals



Geopolitical shifts,
inequality



Loss of white
collar jobs



Innovation-driven
economy

Education 4.0 & New Skills



Responsive to
Industry 4.0 needs



Student-centric
learning



Experiential
learning, blended
learning

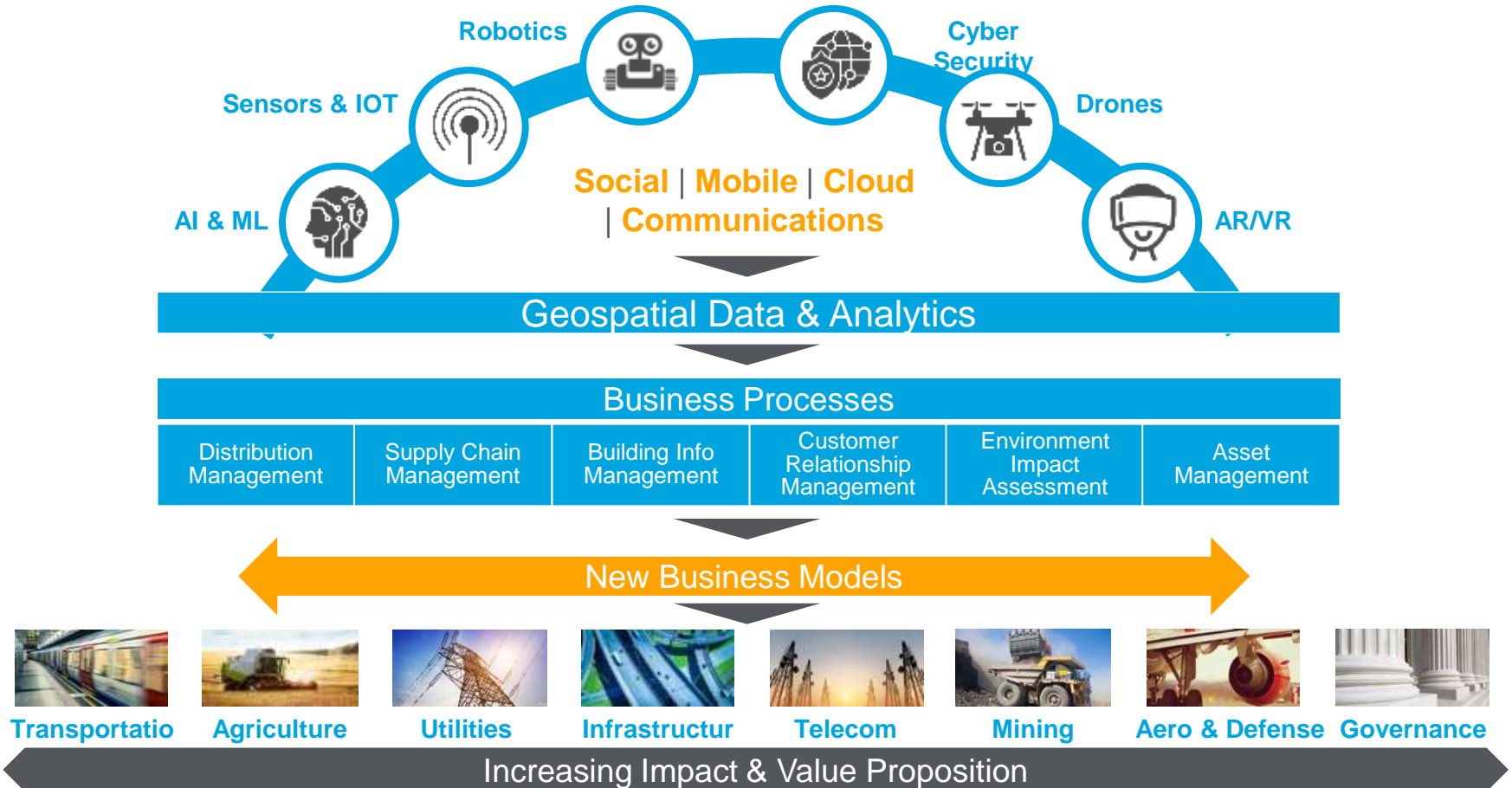


Life-long learning,
reskill, upskill



Analytical, problem-
solving, creative
skills

Industry 4.0 + Geospatial Creating High Value Impact



Digital Transformation (Re)Defining Geospatial Industry

Increased investments in innovation to move up the value chain & gain competitive advantage

Rapid technology advancements shortening product lifespan; collaboration is the norm to stay competitive

Increase of automation & managed services in change detection and predictive analytics, City-based decision support solutions (3D & mobile)

Smartphones, cloud, drones, AI biggest game-changers for geospatial



Explosive demand for geospatial data, geospatial insights altering traditional role of spatial data providers, creating new business opportunities

Dramatic increase in rates of data acquisition changing fundamental economics of data capture, data maintenance – challenging traditional business practices, business models

Explosion of geospatial & non-geospatial data leading to increased number tools for analyzing geospatial data facilitating multidimensional data analysis with AI & ML

5 Imperatives to Win in Industry 4.0 Paradigm



Make 'Where - to-Play' choices & innovate

- Actively prioritize select 'domains/hotspots' to scale – **innovate in-house & shift focus** to hyper growth cells vs 'land-grab'



Open innovation to build 'full-stack' with partner ecosystem

- Corporate venturing
- E2E 'full-stack' services** across value chain for maximum impact
- Ecosystem of partners** fastest way to scale



New talent models in digital era

- Re-skill** for digital and re-define **people supply chain**
- Adopt new talent playbook** – from 'hire to retire'



Programmatic M&A & ability to integrate

- To Access relevant & advanced technologies**, skills and markets
- Culture, business values fit**



Create value to customer

- Agile organization** taking best of **domain, technical and service line** capability to create value to customers

THANK YOU