DIGITAL TRANSFORMATION: ENTERPRISES’ MAJOR MOTIVATIONS AND GREATEST CHALLENGES

ISACA’s 2017 Digital Transformation Barometer—research of more than 4,100 business technology professionals worldwide—found that the emerging technologies that are the most transformational also pose the most organizational challenges in terms of perceived risk and resistance to change. To enable a successful digital transformation journey, enterprises require strong governance and risk management programs, which drive confidence and enable the speed of business.

Top Motivators for Implementing an Emerging Technology

- Anticipated Cost Savings: 24%
- New Revenue Stream: 29%
- Ability to Reach New Customers: 18%
- Increased Agility: 15%
- Reputational Value: 9%
- A Customer’s Successful Implementation: 3%

Technologies Facing the Most Organizational Challenges or Resistance

- AI/Machine Learning/ Cognitive Tech
- Public Cloud
- Internet of Things
- Blockchain
- Big Data Analytics

Evaluating Opportunities Arising From Emerging Technologies

- 22% organizations rarely evaluate
- 31% organizations frequently evaluate

Who is Responsible for Evaluating Emerging Technologies?

- Innovation Group: 7%
- Business Unit: 7%
- IT Group: 39%
- Executive Management: 12%
- Multiple Groups’ Decision: 33%

Technologies With Most Potential to Deliver Transformational Value

- Big Data Analytics: 38%
- AI/Machine Learning/Cognitive: 20%
- Public Cloud: 18%
- IoT: 14%
- Blockchain: 7%
- AR/VR: 2%
- 3D Printing: 1%

Are Your Organization’s Leaders Digitally Literate?

- Yes: 53%
- No: 25%
- Unsure: 22%

Are Your Organization’s Leaders Receptive to Emerging Tech?

- Very: 23%
- Moderately: 50%
- Not Very: 17%
- Not at All: 7%

Companies with digitally literate leaders are more aggressive and receptive to evaluating and adopting emerging technologies in their quests to achieve digital transformation.

For more information: www.isaca.org/digital-transformation-barometer