The BIONIC Enterprise

Architected for Continuous Transformation

Envision | Transform | Thrive

Be Bionic Enterprise

By maturing AI and bionic technologies toward the potential of the Bionic Enterprise, we create the pre-conditions to expand the potential of humanity through a sustainable Bionic Society.

Bionic Enterprise Framework

The BIONIC Enterprise Framework — Version 1.0

Be Bionic Enterprise

The HUMAN Perspective

Bionic Enterprise Vision and Characteristics

| Interactive & Immersive | Intelligent | Adaptive | Ubiquitous | Goal Directed | Elastic |

Bionic Enterprise Creativity Maturity Model

| People | Process & Models | Tools & Resources | Culture | Visionary Leadership | Organization | Facilities |

Bionic Enterprise Organizational Maturity Model

| Strategic | Creative | Engaged | Innovative | Elastic |

Bionic Enterprise Visionary Leadership Maturity Model

| Visionary Quotient | Leadership Maturity Adoption | Drive | Impact | Connection | People/Team Development |
| Cognitive & Behavioral Capital | Performance Effects | Analytics & Planning | Action Orientation | Network Capital | Bionic Technology Application to Value Generation |

The FUSION Perspective

Bionic Enterprise Transformation Framework

| Strategic Analysis | Strategic Planning | Capability Planning | Operational Planning | Architecture Development | Transition Planning | Execution & Monitoring |

Bionic Enterprise Fusion Framework

| Architecture | Bionic Functions | Bionic Technologies | Governance |

The TECHNOLOGY Perspective

Bionic Enterprise Technology Maturity Model

| Capability Area 1 | Capability Area 2 | Capability Area 3 | Capability Area 4 | Capability Area 5 |
| Interface | Intelligence | Integration | Infrastructure | Transformation |

Bionic UX Effects

- Mentoring
- Collaboration
- Empathizing
- Partial Task Automation
- Task Acceleration
- Immersion (UX/VR/AR)
- Task Augmentation
- Task Elasticity & Scalability
- Task Autonomy
- Task Precision
- Task Accuracy
- Decision Support

Envision | Transform | Thrive

Bionic Manifesto

- Ubiquitous
- Hyper-Aware
- Hyper-Connected
- Hyper-Intelligent
- Curious
- Empathetic
- Self-Optimizing
- Hyper-Adaptive
- Evolutionary
- Self-Motivated
- Hyper-Converged

Vision and Characteristics: Clearly articulates the characteristics of the Bionic Enterprise, providing direction and description of the desired end-state. An evolution path for the enterprise that focuses on developing a dynamic, innovative, creative enterprise that is built for continuous self-improvement, and transformation. It is that "thing" that we're all sub-consciously building toward; that future state of the enterprise that we haven't quite articulated because we are too busy trying to figure out the individual technology pieces and management approaches and how to derive value from them. The Vision and Characteristics answers the question, **"What are the characteristics and nature of our future enterprise and its functional components."**

Creativity Maturity Model: This model provides a framework and context for developing the creative and innovative enterprise. Every enterprise must develop creative people, processes, culture, and infrastructure. The ability of the enterprise to embrace, nurture, and capitalize on creative output enables the organization to surge ahead of its competition and adversaries with innovative solutions and direction. The Creativity Maturity Model answers the question, **"What is the path to develop and institute more creative and innovative practices in the context of a Bionic Enterprise?"**

Visionary Leadership Maturity Model: The Bionic Enterprise will never come to be if it is not driven by visionary leaders. They must possess the ability to embrace its potential and electrify the enterprises' stakeholders to capitalize on the potential that it holds. The Visionary Leadership Maturity Model answers the question, **"What is the path to develop and institute innovative, creative, and inspirational visionary leadership at all levels of the Bionic Enterprise?"**

Organizational Maturity Model: It provides a framework to gauge the human aspect of the enterprise. It enables stakeholders to grasp how well suited the organization, management, philosophy, structure and focus of the human endeavor is to fully leverage the capabilities of the technology. Achieving a technological paradigm shift enabled by the Bionic Enterprise will be of little advantage if the stakeholders do not embrace, integrate, and appreciate their new role in this new type of enterprise. The Organizational Maturity Model answers the question, **"How do we evolve the enterprise to make it more strategic, creative, engaged, innovative, and elastic?"**

Transformation Framework: This methodology provides a framework for analyzing the need for strategic change, planning that change, determining the necessary capabilities of the enterprise, conducting operational planning, then transitioning into architecture development and execution of the strategic plan. Investment decisions must be made, and capabilities must be prioritized based on the goals. The Transformation Framework answers the question, **"How does the enterprise plan its new state with improved capabilities from all perspectives and then execute and monitor that transformation?"**

Fusion Framework: Organizes the concepts, components, and architectures that will position your enterprise to consider how to begin the development and migration to the Bionic Enterprise. The fusion framework will help organizations understand how the capabilities in the Bionic Enterprise Technology Maturity Model are realized by a set of functions, technologies, processes, technology maturity model, standards, and governance. Ultimately these will lead your organization to become a Bionic Enterprise – that killer app. The fusion framework answers the question, **"How do bionic technologies impact and fuse with human activities and augment human physical and cognitive capabilities?"**

Technology Maturity Model: Helps us understand how the application of these capabilities will change as the underlying technologies mature. We must have a capability integration concept to integrate existing and emerging technologies effectively and holistically into coherent solution sets. These capabilities must mature along a continuum of ever-increasing capability and value. This continuum of maturity must inevitably lead us to the achievement of the Bionic Enterprise vision. The capability evolution concept embodied by the Technology Maturity Model provides the framework for building your great enterprise pyramid. The Technology Maturity Model answers the question, **"What are the pathways to maturing the different capability areas of the bionic technologies to positively impact human activity?"**

The Bionic Enterprise is about the mind-blowing technology of the future and the effective fusing of those technologies to human activity and the physical and digital transformation path to get there. It is about the transformation of society into an intelligent Bionic Enterprise.

Bionic Digital Platform

| Interface | Intelligence | Integration | Infrastructure | Transformation |

Bionic Enterprise Capability Areas