

## Engagement Cover Letter

Duane Tant  
236 Loudoun St. SW, Leesburg, VA 20175  
**703-777-9037**  
[Duane.Tant@DeepGreenTECH.com](mailto:Duane.Tant@DeepGreenTECH.com)

**Engagement Availability:** Employee, Contract, Intentional Business Community, Other

**Contribution Desired:** *Green Business Development*  
*Sustainability Program Team Contributor*  
*Sustainable Systems Integration*

**Contribution Description:**

- Develop and mature organizational processes to support sustainability transition plans and programs.
- Champion and facilitate development of integrated strategic planning to include sustainability attributes: Energy, Built Environment, Carbon & Water Footprint, Workplace Strategy, Emerging Technologies and Process Performance Improvement.
- Support project phases: Assessment, Requirements Development, Planning, Implementation, Training & Communications, Measurement & Analysis
- Coordinate, facilitate, and moderate sustainability site teams, committees, and vendors.
- Seek competitive market advantage, green goodwill, and risk mitigation integrating green economy solutions.

Performing leading edge technical, staff, and leadership roles, you will see that I have a varied and robust background supporting DOD and commercial information and telecommunications systems. This experience spans the systems and process lifecycle from developmental through operational environments. ***Career transition from telecommunications systems to eco-business systems.***

For many years, I have understood that our ecologic and economic challenges are rooted in systems design-requirements deficiencies. This logically positions organizations for performance optimization (ecologic / economic) through a systems re-integration and eco<sup>2</sup> performance improvement methodology. ***Intellectual Property (IP) describing this approach available for deployment.***

The sustainability program team's purpose is to manage the optimization of the organizations Sustainability goals. The team assesses the organization for baseline performance; evaluates for strategy within the context of organizational goals; develops implementation and improvement plans; performs program management; and measures performance, quality, and success.

I am confident that my contribution will serve to enhance the success of your organizational goals. I look forward to discussing further how I may contribute.

Best Regards,

Duane C. Tant

## Duane C. Tant

236 Loudoun ST. SW; Leesburg, VA 20175

email: Duane.Tant@DeepGreenTECH.com

703-777-9037

### EXPERTISE

**Process Improvement:** Develop, train, deploy, measure and improve software and systems engineering processes; coordinate Process Action Team activities; consult and facilitate multiple management levels and customers (internal & external) to define organizational goals and process optimization requirements.

**Systems Integration & Test:** Develop test plans and procedures through requirements analysis; execute, evaluate and report developmental (DT&E) and operational test (OT&E) events; specify and manage test execution/evaluation tool development; manage, evaluate, and report test events; perform consulting role to internal management and external customers.

### EXPERIENCE

#### **Present – Future: GREEN ECONOMY ECOPRENEUR**

**Deploy Green Economy STEP:** Eco-performance and Sustainability Maturity-level Improvement Protocol. Designed as a Measurement & Analysis architecture, varied IP deployments have been identified. Seeking creative businesses for teaming and profit building.



**Build PleaseLITTER.com:** Conceived through the Green Economy STEP. Intended as an environmentally integrated products and systems "Greenest of the Green" commerce site. This TM has been market evaluated to be "edgy", "provocative", and emotive.



**Build DeepGreen.NET:** Envisioned as a FREE Green Business Tools support site for small to medium businesses seeking profits in the Green Economy.



2007 - Present

#### **SUSTAINABILITY CHAMPION**

**Deep Green Technologies, LLC, Owner: [www.DeepGreenTECH.com](http://www.DeepGreenTECH.com)**

**Sustainability Promotion, Awareness, R&D:** Green technology consultancy developing Eco-performance Improvement Protocol designed to migrate existing business systems to or incubate redesigned business systems within a sustainability optimization model.



## Duane C. Tant

236 Loudoun ST. SW; Leesburg, VA 20175

email: Duane.Tant@DeepGreenTECH.com

703-777-9037

2004 - 2007

**Hurricane Recovery, Pensacola FL:** Repair, remodel, restore, family properties after two consecutive direct hit hurricanes--unplanned career sabbatical.

2002 - 2004

### **CAPABILITY MATURITY MODEL INTEGRATED (CMMI)**

**TYBRIN Corporation, Corporate Headquarters, CMMI Senior Support Staff:** Team member under the Director of Quality Assurance responsible for supporting company migration from Software CMM (ML3) to CMMI (ML4). Measurement & Analysis (MA) Team Lead responsible for deploying goal-based, enterprise-wide measurement program and Organizational Measurement Repository (OMR); Distributive Software, DataDrill.

- Directed migration of company MA processes toward goal-based measurement processes. Mentored senior and mid-level management and software development teams to prepare for Practical Software Measurement (PSM) tailored processes deployment. Provided CMMI MA, PSM, and Goal Question Metric (GQM) training and internal consulting.
- Performed internal team appraisals supporting Standard CMMI Appraisal Method for Process Improvement (SCAMPI) appraisal infrastructure across the enterprise. Evaluated team compliance progress toward Class A Software Engineering Institute (SEI) external appraisal requirements.
- Performed enterprise training for CMMI Overview, TYBRIN-specific Organizational Set of Standard Processes (OSSP), CM, and MA. Mentored Senior Executives, Management and Software Development Team Members.

1998 - 2001

### **SYSTEMS TEST/PROCESS ENGINEERING**

**Motorola, Inc., Iridium Satellite Network Operations, Engineering & Analysis (E&A): Technical Staff Engineer:** Team leader responsible for integrating multiple data collection functions to design Average Actual Service Provided (AASP) measurement and reporting process. Resulting \$315M quarterly report was the only deliverable-for-payment identified in the Operations & Maintenance contract between Iridium LLC and Motorola, Inc.

**Iridium System Subscriber Link Performance Analysis:** Team member responsible for real-time and off-line trend analysis of Iridium satellite communication payload performance to identify anomalous behavior within the L-Band subsystem and Air Interface. Support impact assessment of mission software upgrades on system performance identifying defects contributing to system degradation and loss of service.

**L-Band Diagnostic process:** Team member responsible for implementing on-orbit Space Vehicle (SV) diagnostic testing across Iridium constellation of 66 Low Earth Orbit (LEO) satellites. Specified requirements and oversaw engineering tool development and directed functional acceptance test activities to field the L-Band (satellite to phone interface) diagnostic infrastructure.

1992 - 1998

### **SYSTEMS TEST & EVALUATION**

**Booz, Allen and Hamilton, Information Technology (IT) Center [1/92-1/98]: Consultant** to Motorola client, providing Iridium Satellite pre-launch Developmental Test & Evaluation (DT&E) and post launch Operational T&E (OT&E) engineering support. Responsibilities included ground and on-orbit hardware and software integration and functional checkout of communications payload, antenna panels, and RF Air Interface between Satellite and developmental Iridium telephone units. Participated in Lab Operations process development Process Action Team (PAT) seeking SEI Software CMM Maturity Level 4.

**Milstar Satellite OT&E: Associate Consultant** to DOD client developing Milstar Secure SATCOM earth terminals. Responsible for auditing interoperability compliance between tri-service earth terminals using the Milstar FDMA/TDMA satellite system.

## Duane C. Tant

236 Loudoun ST. SW; Leesburg, VA 20175

email: Duane.Tant@DeepGreenTECH.com

703-777-9037

1980 - 1996

### U.S. Air Force and Air National Guard

**Satellite Communication Systems Specialist:** Ground Mobile Forces (GMF) Satellite Ground Terminal Supervisor responsible for deploying mobile earth stations

**Electronic Warfare Avionics Systems Maintenance Supervisor:** Supervisor, performing F-4 Wild Weasel aircraft troubleshooting and repair: Radar Homing and Warning, ALQ 131 transponder.

**Computer Repair Specialist:** Performed and supervised performance of diagnostic-based testing, troubleshooting, and repair of minicomputer-based airborne remote sensing downlink within a real-time Signal Intelligence operational environment.

### PROFESSIONAL ORGANIZATIONS

Project Management Institute - Seeking Project Management Professional (PMP) certification

US Green Building Counsel (USGBC) – Seeking LEED AP, Accredited Professional

### EDUCATION AND TECHNICAL TRAINING

Green Build: Denver / Chicago

Environ Design 5 Atlanta (Pre-Greenbuild) / 10 Toronto

Practical Software Measurement (PSM) Trainer, *Software Productivity Consortium*, April 2004

SEI CMMI, SEI Appraisal Team, *Johnson Consulting*, April 2002

BSCS Management Information Systems, *University of Maryland*, May 1990

Satellite Communications Systems, *US Air Force*, May 1992

Computer Systems Maintenance Specialist, *US Air Force*, September 1985

Electronic Warfare Systems Specialist, *US Air Force*, October 1980