

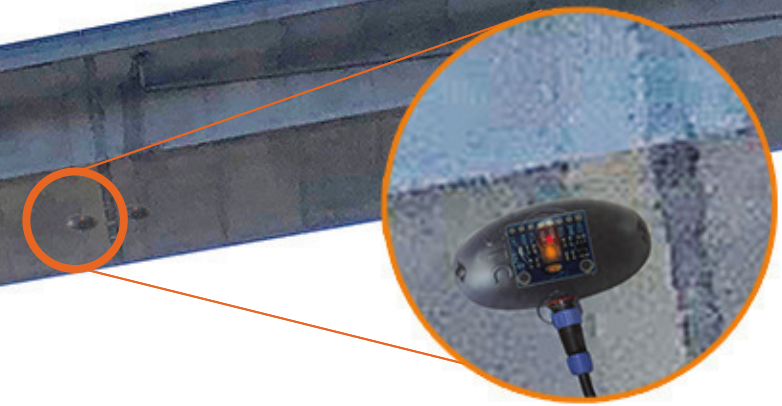
smarttowercontrol.it



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SMART TOWER CONTROL

STC MISSION:
SMART BUILDING CONTROL
SMART BRIDGE CONTROL
SMART STADIUM CONTROL



TECHNOLOGY

STC IS AN END-TO-END INTEGRATED ENGINEERING SYSTEM WORKING REMOTELY WITH PROPRIETARY IOT AND IT INSTRUMENTATION. ITS APPLICATION GENERATES IMPROVES MANAGEMENT ENFORCING MORE SAFETY AND EFFICIENCY

TARGET

STC IS AIMED AT MANAGERS AND OWNERS OF INFRASTRUCTURE ASSETS

FIELD OF APPLICATION

VIBRATING WIND/TRUCKS/CARS-STRESSED STRUCTURES SUCH AS TOWERS, BRIDGES, WIND TURBINES, CANTILEVERS...

PURPOSE

REAL-TIME STRUCTURAL DIAGNOSTICS
PREDICTIVE ANALYSIS OF COLLAPSE AND CRITICAL STRUCTURAL DAMAGE
MANAGEMENT PROCESS OPTIMIZATION AND IMPROVED SAFETY
MAINTENANCE COSTS REDUCTION

WARRANTY

STRUCTURAL HEALTH CERTIFICATION
UPPER MANAGEMENT RISK ABSORPTION

HOW IT WORKS



**TOWER
CONTROL**



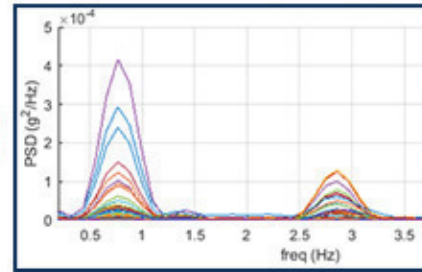
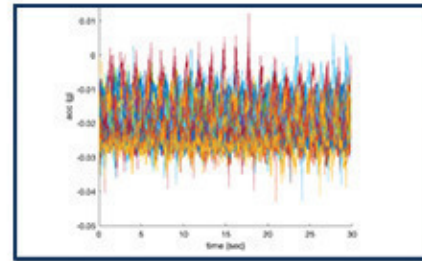
**BUILDING
CONTROL**



**STADIUM
CONTROL**

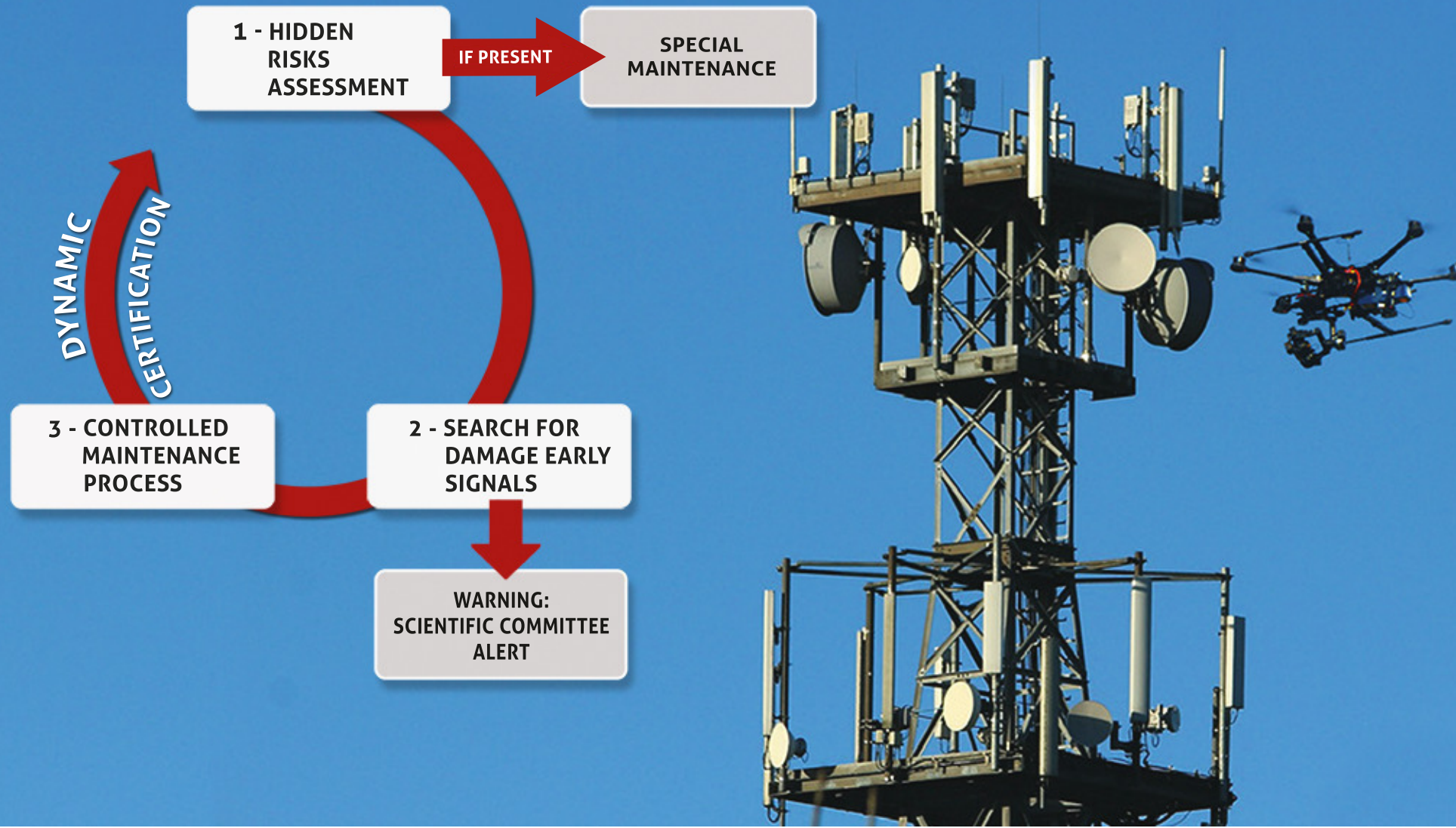


**BRIDGE
CONTROL**



**EXISTING RISK ASSESSMENT
COLLAPSE PREDICTION
PROCESS OPTIMIZATION**

SAFETY CYCLE

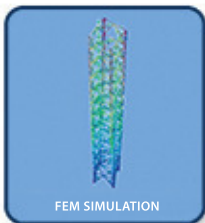


- 1 - ANALYSIS CYCLE
- 2 - PREDICTION CYCLE
- 3 - MAINTENANCE CYCLE

STC TOOLS

IoT e IT

4 OPERATIONAL MODULES + 1 IMAGING APP



IoT

ICU - CE



IT: MANAGEMENT, RESIDUAL LOAD, REAL-TIME, SIMULATION

APP: GEOREFERENCED IMAGES BY AUTHENTICATED USERS

IoT: SIGNAL ACQUISITION AND TRASMISSION

STC DASHBOARD



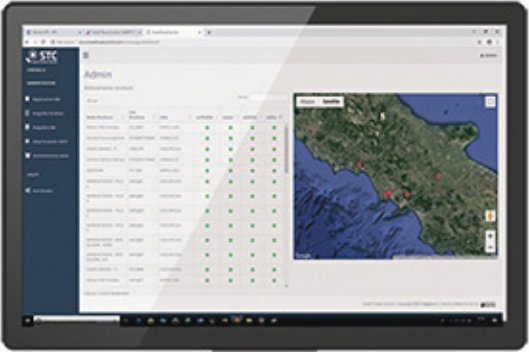
THE STRUCTURE



ASSETS DASHBOARD



CONTROL PANEL



REAL-TIME MONITOR

**BUSINESS INTELLIGENCE
DECISION SUPPORT SYSTEM
USER FRIENDLY DASHBOARD AND REPORTS**



$\frac{1}{2}$ SWOT ANALYSIS

S STRENGTHS

- IT, IoT AND ENGINEERING SYNERGY
- 10 YEARS OF RESEARCH AND FIELD WORK
- CONTINUOUS PROFESSIONAL CERTIFICATION
- AUTOMATED STRUCTURAL ANALYSIS
- FULLY CUSTOMIZABLE PROPRIETARY SYSTEM
- NETWORKED END TO END SYSTEM
- EASILY INSTALLED

O OPPORTUNITIES

- UPPER MANAGEMENT LEGAL RISK REDUCTION
- STRUCTURAL ASSETS MANAGEMENT AND EVALUATION
- MODERN BI AND DSS INSTRUMENTS FOR MANAGERS
- COMPATIBILITY WITH SUBSIDIZED FINANCE
- SHORT/MEDIUM/LONG TERM COST REDUCTION
- REDUCED SPECIAL MAINTENANCE, IMPROVES ROUTINE MAINTENANCE
- INTEGRATES WITH THIRD-PARTY PLATFORMS

W

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SAFETY CERTIFICATIONS
LONGEVITY ASSURANCE
GUARANTEED SAVINGS





ING. GENEROSO FALCIANO
CEO AND FOUNDER DEFA

ING. GENEROSO FALCIANO
30 YEARS OF EXPERIENCE
CONTINUOUS RESEARCH AND INNOVATION

