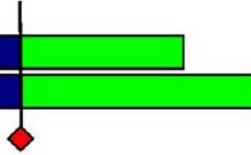


NOVA

Consulting

Services, LLC



| Welcome



Specialized Construction Management Consultants



| **PREVENTIVE MAINTENANCE PLANNING**

Development of Preventive Maintenance Plans

Building & Systems Evaluation & Inspection

Management, Supervision, and Implementation of Preventive Maintenance Projects



| **COMMISSIONING & TCO MANAGEMENT**

Commissioning (New & Retro-Commissioning)

Evaluation of Fire & Life Safety Systems, HVAC, Building Management System & Low Voltage Systems

Life Safety Preparedness

Pre-Inspection Test Services

Project Turnover Expediting



| **CPM SCHEDULING**

CPM Schedules & Network Analysis Schedules (NAS)

Cost & Resource-Loaded Schedules

Schedule Updating & Progress Analysis

Recovery Schedules

Executive Summary & Narrative Reporting

Earned Value Reporting & Cash Flow Predictions

Change Order, Delay, Impact Monitoring



| **SITE LOGISTICS/PROJECT PLANNING**

Plan & Spec Review

Means & Methods Development

Technical Approach Narratives

Site Logistics Planning



| **ON-SITE REPRESENTATIVE**

Owner's Representative

Site Management/Supervision

| Introduction

Nova Consulting Services, LLC is a management consulting firm offering specialized services to supplement the expertise of Contractors, Subcontractors, Project Owners, Property Owners, and Facility Operators within the fields of construction, real estate, and private industry. A company of strong values and with a genuine desire to build long-lasting relationships, we approach each client and each project with the focus and unity of one team and with the highest level of dedication needed to achieve shared success.

Nova was established with a vision to provide a portfolio of professional management services that are essential to success in today's construction and real estate industries, but which are often too specialized for the client to provide with its own resources. Our services include the following:

- **Preventive Maintenance Planning (PMP)**
- **Building Commissioning**
- **TCO Management**
- **CPM Scheduling**
- **Site Logistics & Project Planning**
- **Owner's Representative Services**
- **Site/Field Supervision**



Having the vision to know the importance of each of these services is your first step toward a successful project. Whether governmental, municipal, industrial, commercial, residential, or private, Nova will assess the specific needs of your project or facility and provide a tailored package to best suit those needs.



| Teamwork

The common and ultimate goal among all of our services is to assist our client in achieving a successful project. Whether through Planning & Scheduling, Preventive Maintenance Planning, Commissioning, TCO Management, or Supervision, the path through which we reach final project success is priority. We work directly with each client to recognize each individual goal.

With full awareness toward our client's deadlines and budget, each of our services lends itself to achieving those milestones.

Nova promotes direct and positive communication between teams at all times and, when practical, largely utilizes the internet to network and share information among parties when logistics costs are prohibitive. This keeps everyone on the same page and keeps the bottom line firmly in tact.

| Scheduling

Nova Consulting Services, LLC offers a wide range of CPM scheduling services to its clients. From bid schedules to comprehensive construction schedules (including cost & resource-loaded schedules), progress updating, earned value reporting, change & impact monitoring, cash flow projecting, and executive analysis, Nova is the Contractor's solution to the often-overwhelming process of construction scheduling.

Because we understand that each project has different needs, Nova's diverse selection of services is tailored to suit any project or budget. Whether your needs are large or small, we offer a level of services that is most appropriate. Typical schedule development starts with the Contractor's draft schedule, which outlines activities and intended means & methods of construction. Nova integrates this information into Primavera P6®, performs a professional review of logic and continuity, identifies any weaknesses within the schedule, details the schedule as necessary, and develops it into a technical format that meets the project's requirements. Throughout this development process, Nova works with the Contractor to ensure that the output of the schedule is what was expected. We stay true to the Contractor's intended means and methods of constructing the project.



| Periodic Updating

Following scheduling development, Nova will manage all subsequent baseline revisions, schedule updates, and reporting requirements, which can be a time consuming and costly task for Contractors. There are countless analytic and reporting techniques designed to heighten your awareness as to the status of your project. Analysis and narrative reporting is often an Owner requirement, particularly on Federal Government contracts.

In all cases, Nova works in conjunction with your staff, promoting a unified transfer of information between teams. You pass along the necessary information; we prepare and update the schedule, analyze your progress, and produce all of the required reports.

The benefits of the Nova/client relationship are immeasurable – both parties stay informed as the work progresses, your staff is not burdened by the timely process of scheduling, your project's schedule requirements are met, and our analysis has been provided, giving you an independent and unbiased account of your progress.

All projects, regardless of size or budget, receive Nova's highest level of personal dedication and attention.

| Executive Summary

◆◆◆◆ CPM Scheduling

There are many strategic methods used to determine what has happened, what is happening, and what is going to happen on your project. Outsourcing through Nova ensures that your schedule will be maintained to this level of efficiency by professionals in the field. Plus, when a project is analyzed through an independent eye, it often reveals important details that may not have otherwise been detected or reported to management.

Our schedulers are adept in Primavera® scheduling programs and are able to generate reports & analytics to comply with the most stringent of specifications.



| Results

For a Contractor, even basic CPM scheduling can become extremely onerous, especially on Government contracts. Baseline revisions, custom reporting, in-depth analyses, financial reporting...all of these things can take your key personnel away from other activities that are crucial to managing the project.

Nova takes on the responsibility of scheduling. The end result is that your workforce is significantly less burdened and able to focus on the work at hand. The project finishes as efficiently as possible, in the least amount of time, and your schedule has not only satisfied the Owner, but has also become a tool to assist you in learning more about your project's progress in real-time.

Let our pro-active approach to construction scheduling lead you down the path to success.

| Project & Logistics Planning

Through project planning, and with enhanced involvement, Nova can provide complete development of your CPM schedule through an independent review of the plans & specifications. Here, the entire scope of work is evaluated by Nova, logistics are considered for feasibility, and a strategy is presented for performing the work. Based on that strategy, we then develop the activities of the CPM schedule. Because communication is key, we always encourage involvement from our client during schedule development and likewise encourage our client to seek input from its relevant subcontractors and vendors.

Project planning & independent schedule development is a more involved process than basic CPM scheduling, often chosen by Contractors who do not have the time or resources to develop their own detailed means and methods of construction. Similar services are also available for bidding Contractors who require assistance developing a Bid Schedule, Site Logistics Plan, or corresponding Technical Approach Narrative.

| Preventive Maintenance Planning

Preventive Maintenance Planning is a strategic program offered by Nova to assist property owners and facility operators in the implementation of a structured program for maintaining personal property and building service equipment. A structured Preventive Maintenance Program will dictate the process of inspecting, maintaining, repairing, and/or replacing equipment and systems strategically, so that the building and systems operate safely, efficiently, and economically. Preventive Maintenance Planning is a pro-active approach to maintenance that prolongs the life of the building and its systems, and promotes cost savings through life-cycle costing, efficiency, and lessened energy consumption.



| The PMP Process

Initially, Nova reviews the building along with its systems, equipment, and maintenance records. This will give Nova an understanding of the building's current use, operation, routine maintenance methods, and any unique or recurring maintenance issues, and the costs associated therewith.

Development of an inspection plan by Nova organizes the facility inspections so that disruption to daily on-going activities is minimal. The inspection schedule coordinates the inspections, bringing together all relevant parties, such as employees, specialized testing specialists, and engineering professionals.

The inspections occur methodically based on a pre-determined, standardized program of guidelines. This establishes a baseline expectation for the inspectors and ensures that the data gathered is consistent among components. A rating scale is utilized so inspectors can rank the condition of the each component and the urgency for corrective action (based on factors such as safety and impact on other components). The rating scale assists management in making educated decisions about the priority of maintaining each individual system or component.



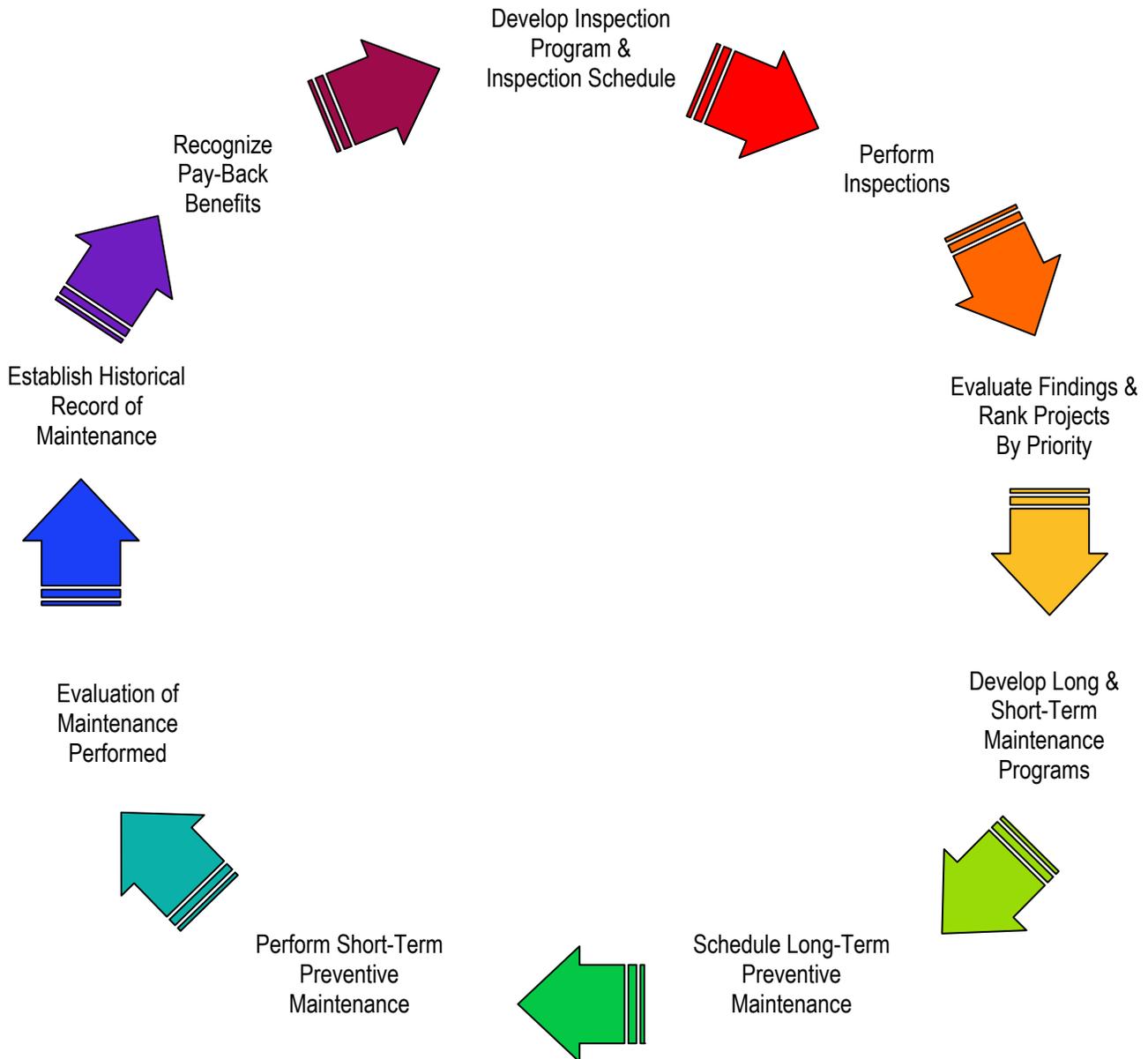
Use of the rating scale should continue with the facility operators to gauge the deterioration or improvement of the components over time.

Equipped with valuable information regarding condition, safety, and importance, the property owner or facility operator is now prepared to make educated decisions about capital improvements to justify the maintenance. This process is called life-cycle costing. Life cycle costing considers the cost of maintenance, cost of equipment failures, repair or replacement costs, and preventive maintenance costs. When analyzed together, the total savings per year is determined along with the overall payback period of the cost of the maintenance.

| Executive Summary

◆◆◆◆ Preventive Maintenance Planning

Maintenance scheduling supplements the planning of your long and short-term maintenance commitments, capturing not only the planned dates of the maintenance, but also the projected costs associated with each. From this, a cash flow prediction is made, based on the maintenance demands that have been scheduled over a period of time. This process aids management in budgeting for the improvements, and in predicting reasonable operating and capital improvement costs in the future.



| Benefits of Preventive Maintenance Planning (PMP)

- ◆ Promotes pro-active maintenance of building components by maintenance staff or operator
- ◆ Extends the life of the building components, sustaining the value of the property
- ◆ Keeps the building components operating properly and at peak efficiency
- ◆ Minimizes equipment downtime, whether scheduled or emergency
- ◆ Minimizes failure of building systems and disruption of business activities
- ◆ Ensures a healthy and safe working environment
- ◆ Reduces the cost of building operation
- ◆ Recovers preventative maintenance costs through reduced operating costs

| Why Nova...

There is a limit to the amount of work your maintenance staff is able to assume, and your facility has systems that require the expertise of trained specialists.

Beyond the foresight we exercise during the inspection and evaluation process, we work with the client to ensure that the Preventive Maintenance Program is successfully implemented through both the short and long-term plans. Nova will coordinate and deploy a highly qualified team of professionals to your facility for the purpose of managing, supervising and/or conducting the preventive maintenance work. Our field implementation team can include management and supervisory personnel, schedulers, skilled tradesmen, mechanics, programmers, inspectors, and other such staff necessary to manage the work and ensure safe and successful installations.

The team will, upon completion of each preventive maintenance project, provide an operating manual that incorporates all important data regarding the project. Such data can include equipment data, serial numbers, equipment locations, installer information, manufacturer's recommendations, warranties, maintenance guidelines, field photos, test results, and similar.

In all cases, your Preventive Maintenance Program is coordinated with your other on-going maintenance activities and your current maintenance personnel. When practical, your maintenance personnel are trained in preventive maintenance techniques to enhance the new installations.



| Results

Management is equipped to make cost-effective decisions regarding the maintenance of your facility. It is now possible to budget for the maintenance costs on a short and long-term basis. The savings are recognized within an expected period of time. The facility operates more efficiently. Emergency repairs, disruptions, and costs are minimized.

Nova has alleviated the burden from the maintenance personnel by managing the entire Preventive Maintenance Plan.

| Executive Summary



Every facility operator and building owner understands the importance of energy efficiency and life safety. Yet, during construction, Commissioning & TCO Management is often overlooked or viewed as an unnecessary burden to a project's budget and schedule. With Nova, however, you no longer have to sacrifice quality, efficiency, or budget for timely project completion.

Through our Commissioning and TCO Management programs, Nova strives to ensure that your project's efficiency goals and design standards, as they relate to the building management and life safety systems, are clearly defined and understood at the beginning of the project, and are successfully implemented throughout the life of the project and beyond.

Our TCO Management strategies will ensure that the building's systems are proper and ready for in-house testing and final inspection when that time comes. Our goal through TCO Management is to facilitate the most efficient and positive test results for the Contractor so that final inspections, Temporary Certificate of Occupancy, Certificate of Occupancy, and project acceptance can be easily achieved within the time constraints of the contract.

| The Commissioning Process

Based on the requirements of the specifications, our responsibilities as your Commissioning Agent can include development of a commissioning plan (inclusive of test procedures), reviewing and validating the project drawings and specifications, review of submittals, presiding over coordination meetings with the Contractor and Systems Subcontractors, scheduling commissioning activities, performing on-site progress observations, developing field reports, verifying balancing of the systems, witnessing equipment start-up and testing, and documenting proper functional performance of the equipment and systems.



Coordination among the subcontractors is a very important key to the success of our Commissioning and TCO Management process. Coordination meetings provide a productive forum during which members of the commissioning team can participate in developing the commissioning schedule. The commissioning team becomes better equipped to identify and address potential scheduling conflicts early on.

Upon completion of the work, each required component will be dynamically tested for individual function and for function within subsystems, systems, and system interfaces under full operation to determine that they perform in accordance with the contract documents. This is achieved first through Pre-Functional testing, and then through Functional Performance testing. The process will include testing under simulated conditions to assess the reaction of systems under irregular conditions. All data and findings will be documented accordingly and will ultimately be submitted as a final Commissioning Report.

Nova will also help to facilitate training of operational staff and final turn-over of the facility to the facility operator. If functional performance is deferred for seasonal evaluation, Nova will participate in coordinating and witnessing the deferred testing process when appropriate.



| Commissioning of New Buildings

Because the process of commissioning a building is an essential tool for optimizing energy performance, Nova approaches commissioning of a new building with strict determination to confirm that the building systems function according to criteria set forth in the project documents and that the systems will satisfy the owner's operational needs.



| Retro-Commissioning

Nova takes a more systematic approach to the commissioning of existing buildings, which includes investigating and analyzing the existing building systems, optimizing performance, and improving operation and maintenance to ensure continued performance over time. The facility's current requirements as well as its anticipated future needs must all be considered. Retro-Commissioning is often directly related to services offered under Preventive Maintenance Planning.

| Results

Commissioning will ensure optimal energy efficiency and indoor air quality, extend the life expectancy of the building's systems, and reduce operation and maintenance costs, all of which can be achieved with reduced change order costs, less delay impacts, and by means of a prepared and organized inspection process of which the Contractor can be proud.

Nova's dedicated team of commissioning resources allows us to competitively and effectively service Contractors, Owners, and Facility Operators nationwide. Nova establishes a professional and harmonious relationship with the other members of the design and construction teams to the benefit of the project, budget, and schedule. We always encourage open communication between team members so that the best ideas of design and construction can be implemented.



| The TCO Management Process



With exacting awareness toward TCO and project completion, Nova focuses on the completion and successful testing and operation of the BMS and Life Safety Systems. Our efforts during TCO Management will be concentrated on the construction schedule, logic, and duration; trouble-shooting within each system; equipment startup and readiness; in-house testing; commissioning; and final inspections.

During TCO Management, Nova will assist the MEP and Life Safety subcontractors develop and implement acceptable testing procedures and will be present to facilitate and witness all essential systems testing.

Being this near to completion, there is no time for surprises. Nova will have simulated the testing and inspection process in its entirety with the in-house commissioning team prior final inspection. Our goal is to enter an inspection with confidence, knowing how each device will operate and the results it will produce.

With a proven track record of bringing numerous large-scale projects across the finish line successfully, (including hi-rise, condominiums, casinos, etc.) Nova's TCO Management Team will assist you and your subcontractors with in-house testing of the following life safety systems:

- **FIRE ALARM**
- **BMS**
- **GENERATOR**
- **FIRE SPRINKLER**
- **HVAC EQUIPMENT**
- **SMOKE EVACUATION**
- **STAIRWELL**
- **PRESSURIZATION**
- **ELEVATOR RECALL**

Pre-inspection system preparation and testing is often a daunting task for Contractors and Subcontractors. There are many reasons why a building is not ready or does not pass final inspection:

- A lack on on-going coordination uncovers installation or design defects that delay final installations.
- The high demand on the workforce at the end of the project leaves little time for focused concentration on testing.
- The system installers are confident that their installations are correct and therefore are not thorough in pre-inspection testing.
- Lack of sufficient testing procedures.
- Lack of experience and guidance through the testing process.

Eliminate the factors that cause failed final inspections. Allow Nova Consulting Services to handle your TCO Management process and experience a prepared and organized inspection process of which you can be proud.

Governmental & Public



Dept. of Homeland Security - Animal Disease Center Expansion – Plum Island, NY
 USACE - Bldg 87 Systems R&D Facility Heating Retrofit – Naval Business Center, Philadelphia, PA

Dept. of Veterans' Affairs - Research Space Expansion, Bldg 21 - Carl T. Hayden VAMC – Phoenix, AZ

USACE - C44 Reservoir/STA Project Contract No. 1, Intake Canal/Project Access Road, and C-133A & C133 Canals - Martin County, FL



USACE General Instruction Building - Presidio of Monterey, CA

USACE - ADAL Flight Simulator Facility - Cannon AFB, NM

USACE - ADAL Flight Simulator Facility Addition - Cannon AFB, NM

USACE - McCook Reservoir Rockwall Stabilization – Cook County, IL

CALTRANS - Dist. 1 Headquarters Renovations – Eureka, CA

Naval Base San Diego – Renovations to Rambur Hall – San Diego, CA



USACE Predator Launch Recovery Element Beddown – Fort Huachuca, AZ

Dept of Veterans' Affairs – Mather VAMC Parking Structure – Sacramento, CA

City of Alhambra – Parking Garage – Alhambra, CA

Industrial, Power, Water/Wastewater Treatment

American Electric Power – Coal Piping Repl. – Amos Power Plant – Winfield, WV

Matheson Tri-Gas – Cactus Air Separation Unit – Phoenix, AZ

City of Calgary – Bonnybrook WWTP

City of Calgary – Bonnybrook WWTP – Headworks

Dept. of the Army – Waste Water Treatment Plant – Norfolk, VA

BASF - Underground Steam Piping – City of Wayandotte, MI

Downriver Wastewater Treatment Plant – Wayne County, MI



Environmental

Perryville Launch Ramp Construction – Perryville, AK

TECO – Big Bend Power Station East Gypsum Handling Project – Apollo Beach, FL



South Florida Water Mgmt District - S-61 Navigational Lock Refurbishment – Osceola County, FL

South Florida Water Mgmt District - S-62 Water Control Structure – Orange County, FL

South Florida Water Mgmt District – G-113 Water Control Structure – FL

South Florida Water Mgmt District – Gate Automation Project – St. Lucie County, FL

South Florida Water Mgmt District - Kissimmee Basin Lower Floridian Aquifer (LFA) Drilling & Testing - Site B, Polk County, FL

South Florida Water Mgmt District - Private Aid to Navigation (PATON) Replacement in the Upper Chain of Lakes, Osceola & Polk Counties, FL

South Florida Water Mgmt District - C-41A Canal Bank Stabilization - Highlands County, FL

South Florida Water Mgmt District – Osceola Well Drilling & Testing – Osceola County, FL

Linville Land Harbor Dam Rehabilitation – Linville, NC

South Florida Water Mgmt District – East Coast Protective Levee Ph 3 – Miami-Dade & Broward Counties, FL

South Florida Water Mgmt District – C44 TA/Communication Tower – Martin County, FL



Transportation

City of Half Moon Bay – Median Irrigation & Landscape – Half Moon Bay, CA

California Dept. of Transportation (CalTrans) – Dike Improvements – Marysville, CA

California Dept. of Transportation (CalTrans) – Hwy 101 Irrigation & Landscape – Santa Barbara, CA

Texas DOT – Hwy 83 – Laredo, CA

Indianapolis DPW – Iona/Hunter STEP Project – Indianapolis, IN

Indianapolis DPW – 62nd/Michigan STEP Project – Indianapolis, IN

Indianapolis DPW – SE/Raymond STEP Project – Indianapolis, IN

Indianapolis DPW – 2014 Water Program – Indianapolis, IN

City of Carlsbad, CA – Roadway Paving Project – Carlsbad, CA



Other

World Trade Center Recovery Project – NYC

| Experience

◆◆◆◆ Gov't & Public



Long Island Railroad (LIRR) - Great Neck Elevator Replacements – Long Island, NY

NYC Economic Development Corp - Hunter's Point South Waterfront Park - Long Island City, NY

Soundview Park – Aquatic Ecosystem Restoration
Bronx, NY

Oklahoma Gas & Electric - Right-of-Way Construction - Muskogee, OK



County of Los Angeles - Hacienda Blvd. Landscape Improvements – Los Angeles, CA

CA Dept. of Water Resources - Habitat Restoration – Chico, CA

Magruder Hospital – South Renovation Project – Port Clinton, OH

Hollywood Center Studios Parking Structure Lot E – Hollywood, CA

Educational

HVAC Systems & Controls @ Additional Buildings – Lincoln University, PA

Fort Bragg High School Modernization – Fort Bragg, CA

*Experience depicts projects of both Nova and its principals
References available upon request*



Research, Bio-Tech, & Pharmaceutical

AMGEN – 2010 Long Range Preventive Maintenance Program – Thousand Oaks, CA

AMGEN – 2011 Long Range Preventive Maintenance Program – Thousand Oaks, CA

AMGEN – 2012 Long Range Preventive Maintenance Program – Thousand Oaks, CA

AMGEN – B14 Switchgear Replacement Project – Thousand Oaks, CA



Hotel, Resort, & Gaming

Residence Inn Construction – Secaucus, NJ

Omni Resort Additions & Renovations – Amelia Island, FL

Orion Resort – Ft. Lauderdale, FL

Saxony Resort & Residences – Miami Beach, FL

W Hotel & Residences – Miami Beach, FL

Hyatt & Summerfield Hotels - Dania Beach, FL

Georgetown Incinerator Ritz Carlton Hotel and Residences – New York City, NY

Four Seasons Hotel and Residences – San Francisco, CA

The Venetian Hotel & Casino – Las Vegas, NV



Condominium, Multi-Residential, & High-Rise

Eloquence on the Bay – North Bay Village, FL

Promenade Condominiums – Boynton Beach, FL

The Edge Condominiums – West Palm Beach, FL

Two City Plaza – West Palm Beach, FL

455 Central Park West – New York City, NY

AOL Time Warner Center – New York City, NY

Private Residence – Four Seasons Residences – Miami, FL



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References available upon request*



Consulting

Services, LLC

| Contact Sheet

For more information about our services, please visit our website at www.novaconsultingsvcs.com.

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Notables: Nova Consulting Services, LLC is a certified Woman-Owned Small Business Enterprise (WBE, WOSBE) and is registered with CCR and FedBizOpps as required for all government contracting opportunities. Nova meets the size criteria of an SBE.

