Making your job easier makes our day.

Panorama goes beyond being formal business associates; beyond just getting the job done: beyond the robotic process of problem solving. By melding service with strategy, we create solutions that create value.

The crux of this is our understanding of the most important industry element, i.e. you. If no two companies are alike, then neither are their problems, which means no two Panorama solutions can afford to be alike. In fact, being unique is the only thing our solutions have in common.

We offer you the highest standard of customised and holistic help.

We offer you the Panorama edge.
Chemical Industry Services

Making strides in all aspects and applications of the chemical industry has become a habit of ours. The use of nanotechnology in chemical applications, integration of new technologies in chemical processing and the design/redevelopment of food production facilities are areas in which Panorama has set the benchmark in safety and resourcefulness. We also have a team of highly qualified professionals that aid in commissioning, planning and monitoring along every step of the process.

1. Process Engineering
   - Basic Engineering Package
   - Detailed Process Design
   - Process Simulations using CHEMCAD
   - Process flow diagrams and P&ID’s
   - Distillation Column Design & Optimization
   - Heat Integration and Pinch Analysis
   - Customized simulations for LLE, crystallizations and filtration

2. Process Safety
   - Process safety system design
   - HAZOP and Safety Analysis
   - Fire Pump design
   - Automatic Sprinkler Systems
   - Deluge suppression systems for tank farms

3. Utility Optimization
   - Energy Audits (Steam and Electric)
   - Water Audits
   - Water Reclamation systems
   - Zero Liquid Discharge (ZLD) system design
   - Air-cooled Heat Exchangers
   - Effluent Minimization Strategy

4. Commissioning
   - Commissioning Plan
   - Automation Plan
   - Start-up Debug
   - Thermal Mapping
   - Document Review
Pharmaceutical Industry Services

A name any pharmaceutical company can trust, Panorama has closely integrated itself in the Life Sciences sector to provide unmatched services and facilities that help make a difference. Even the best laboratories, hospitals and medical research centres have benefitted from the Panorama touch. Still, great results only come from great plans, that’s why we also have a highly qualified team of professionals to ensure that things always move smoothly on the right path.

1. Process Engineering
   - Conceptual, Preliminary & Detailed Design
   - Process Flow Diagrams and P&IDs
   - Equipment and Instrument Procurement Specifications
   - BPE code compliance and GMP review
   - Sequence of Operations and Control Philosophy
   - CIP/SIP design
   - HAZOP and safety analysis

2. HVAC & Clean utilities
   - Clean Room HVAC & layout design
   - Building Automation Systems
   - FDA/EU cGMP compliance
   - RODI/WFI system design
   - Clean Steam system design

3. Regulatory & Quality Services
   - Quality Systems
   - Regulatory Submissions
   - Facility Audits
   - Consent Decree Batch certification
   - 483 Redressal

4. Commissioning & Qualification
   - Commissioning & Automation Plan
   - Factory and Site Acceptance Tests (FAT/SAT)
   - Clean in Place (CIP)/Steam in place (SIP) cycle development and optimization
   - Validation Master Planning
   - Qualification (DQ/IQ/OQ/PQ)
   - Process & Cleaning Validation
Project and MEP Services

We are the one stop destination for all your project needs, providing fully serviced engineering and construction management facilities through dynamic teams retrofitted for each client’s needs. From thorough shortlisting of development sites to pre-emptive planning for a smooth start, our professionals take you through each phase with feasible cost estimates and detailed 3D models. Our skills extend to the MEP and Green Design fields, with a speciality in the Pharmaceutical and Chemical sectors. All this while adhering to the highest standards of global safety services.

1. Project Management
   - Comprehensive Management: CSA, MEP and equipment installation
   - Scheduling and Planning
   - Project Cost Control
   - Bid Package Review and Award
   - Material Receiving and Handling
   - Plant Relocation
   - Contractor Co-ordination and Final Turnover Documentation
   - Master Planning and Peer Review
   - Earned value analysis

2. Mechanical
   - Facility Assessment
   - BIM Modelling
   - Mechanical Structural Review
   - Mechanics Piping and supports

3. Electrical
   - Building Electrical Distribution
   - Site Medium Voltage and Low Voltage Distribution
   - Interior/Exterior Lighting Design
   - Clean system electrical design
   - Power generation design
   - Class 1 - Division 2 and Class 1 - Division 1 systems

4. Piping
   - Piping design as per code
   - Piping Isometrics
   - 3-D Design
   - Pipe Stress Analysis
   - Onsite installation/modification support

5. Green Design & LEED Design