

Good Day Black Diamond Team...

I am an aerospace engineer turned project planner. My thoughts about process improvement and project/production planning: there are two ways to manage budget and schedule: #1 the standard way managing task/machine/employee performance and efficiencies, #2 manage critical paths and system constraints. Please see my website for why I am passionate about the second method! <https://5whysconsulting.com/> Even if a client or financial partner requires reporting with the standard classic schedule metrics, they will all look better if the internal team metrics are more systemically focused! This worked very well at JPL on several projects, where NASA had margin requirements in the schedule, and the metrics were focused on the health of the margin tasks (ie, baseline margin burndown charts). This allowed people to offer lower probability durations knowing that the safety time was downstream in margin tasks rather than being wasted by padding at the task level. We were ready to launch 3 days early.

I have held both W-2 and contractor status in my career. In Feb 2018 I formed my own s-corporation (5Whys Consulting Inc), to provide on-demand scheduling in my favorite environment: development companies! I am open to full-time W-2 or full-time contract work: and in either case, on-site work is not a problem, as we are close neighbors.

While working in the Delta-II launch vehicle assembly plant, I completed my MBA in Operations Management. The shop was saying that they received some drawings very early (for launch site assembly) and procured part drawings very late. I was recruited back to Huntington Beach to create a system connecting customer requirements to engineering drawing release to manufacturing and launch site need dates: thus I transitioned my vocation from engineering into project planning. I self-taught my way through all systems involved in putting this initiative together (PDM, MRP/ERP, procurement, launch site documentation, etc). I was also trained and certified in process improvement techniques such as Theory of Constraints and Critical Chain Project Management, Lean Manufacturing, and Total Quality Management. We revised a few of the classic engineering "efficiency" metrics (such as number of drawings per month), and tied release to schedule need dates backed off by procurement/fab/assembly leadtimes, etc. The engineers were now releasing drawings based on schedule rather than doing the easy drawings first to make the metrics look better.

Most teams need palatable views of the project or production plan, in order to enable quick decisions and what-if scenarios; consequently, my software expertise includes MSPProject for Gantt and PERT views, OnePager Pro, Milestones Professional, WBS Schedule Pro, Smartsheet, and generous use of MSEXcel exports. In a project planning environment, my most successful method involves working with the team to rough out their process on a whiteboard, then we take pictures and I model their process into the software of choice. This keeps the team working on their goals while I create a process model, then we get together to review on a least-interference-possible basis, looking for areas to break constraints and achieve fast handoffs. In a development/production environment, I dovetail the engineering modification planning into the production flow, creating giver-receiver (handoff) reports in MSEXcel so all parties can easily access the timing of hardware, software, and documentation deliveries between groups and from suppliers. It is my goal to enable clarity of schedule information in a variety of ways, as different tools appeal to different people.

Thank you for your consideration,
Eve Busher

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SUMMARY

Project scheduler with 25+ years experience in engineering, operations, project planning, and process improvement. Work W-2 or corp-to-corp with clients in need of anything from detail schedule development and reporting, to schedule forensics and Rx, to support and training in MS Project. Specialize in startups and small team development environments. Travel welcome, both US and abroad.

[Please visit my website: 5whysconsulting.com](http://5whysconsulting.com)

EXPERIENCE

Project Scheduler, Anduril, Costa Mesa, CA (hybrid on site & remote) April 2026-Current

Developed development schedule, including procurement, and production. Coordinating efforts between multidisciplinary team members and management, including full critical path analysis. Primarily using MS Project, with creation of schedule exports into MS Excel, and MS PowerPoint.

Project Scheduler, Pacific Fusion, San Leandro, CA (hybrid on site & remote) Feb 2026-April 2026

Developed development schedule, including procurement, and production. Coordinating efforts between multidisciplinary team members and management, including full critical path analysis. Primarily using MS Project, with creation of schedule exports into MS Excel, and MS PowerPoint.

Project Scheduler, Vast, Long Beach, CA (on site, contract work) Mar 2025-June 2025

Project scheduler for Haven-1 Integration. Develop integration schedule for space station development, procurement, and production. Coordinating efforts between multidisciplinary team members and management, including full critical path analysis. Integration with multiple scheduling tools (MS Project and Smartsheet) and creation of schedule exports into Smartsheet, MS Excel, and MS PowerPoint.

Project Scheduler, MDA Space, Montreal, QC Canada (remote, contract work) Feb 2024-May 2025

Project scheduler for multiple programs. Develop integrated project plan for satellite development and production, coordinating efforts between multidisciplinary team members and management, including full critical path analysis. Integration with multiple scheduling tools (MS Project and P6) and creation of schedule exports into MS Excel and MS PowerPoint.

Project Scheduler, Relativity Space (hybrid on-site & remote, contract work) Oct 2024-Dec 2024

Project scheduler for rocket engineering development program. Develop integrated project plan and related schedule and cost products, including full critical path analysis, cost projections, and monthly milestone tracking. Integration with multiple scheduling tools (MS Project and Smartsheet) and creation of schedule exports into MS Excel and MS PowerPoint.

Project Scheduler, Firefly, Cedar Park, TX (remote, contract work) Oct 2023-Feb 2024

Project scheduler for new programs. Develop integrated resource-loaded project plan for multiple rockets in development through production and delivery, coordinating efforts between multidisciplinary team members and management, including full critical path and resource constraint analysis. Integration with multiple scheduling tools (MS Project and Smartsheet).

Project Scheduler, Rocket Lab, Long Beach, CA (hybrid, contract work) Sept 2022-Jan 2024

Project scheduler for Thunder program. Develop integrated project plan for satellite development and production, coordinating efforts between multidisciplinary team members and management, with monthly submittals to customers including full critical path analysis and change narrative. Integration with multiple scheduling tools (MS Project and Smartsheet) and creation of schedule exports into MS Excel and MS PowerPoint.

Project Scheduler, Leslie Controls, Tampa, FL (hybrid, contract work) Oct2022-April2023, May 2024, August 2025

Project scheduler for design and manufacture of valves for the power generation, industrial, marine, and oil/gas markets. Ground-up development of MS Project resource-loaded schedules, starting with existing MS Excel database and MRP system (Epicor Vantage). Assist management in developing work flow process and identifying system bottlenecks and constraints. Provide assessment of scheduling tools for ease of use and integration with existing IT capabilities. Emphasis on managing system constraints for focused prioritization, execution, and reporting. Work with management to develop summary reports that highlight key milestones and deliverables. Reports include schedule analytics to highlight evolving system constraints, focusing production improvement efforts and providing feedback loops for moving closer to company goals. Provide MSPProject training for capacity planning. Requested additional training May 2024 and August 2025.

Project Scheduler, Venus Aerospace, Houston (remote, contract work) May2022-Oct2022

Project scheduler for Stargazer mach 9 hypersonic spaceplane. Provide analysis for available scheduling tools, develop scheduling processes including what-if capabilities for scenario assessment and strategies for resource allocation within budget limitations. Develop integrated resource-loaded master schedule.

Project Scheduler, Virgin Orbit, Long Beach (on site, contract work) Mar2018-Jan2019 & Aug2019-Apr2022

Project scheduler for LauncherOne advanced programs. Create master schedule integrating development and recurring engineering updates into production flow. Integrated capacity planning for limited resources (test stands, engineering resources, etc) for 20+ vehicles. Planning includes 747 flight testing, launch vehicle stage testing, activation for multiple launch sites including FAA certifications, new payload processing facilities, ground sites and test equipment, flight software development, and logistics for moving launch support team/equipment between multiple launch sites. Develop and integrate mission customer schedules using OnePager Pro and Milestones Pro. Create schedule products for focused weekly critical path management, export individual launch vehicle schedules into MS Excel for alignment with shop floor schedules in Smartsheet. Create top level 1-pager PERT views in MS Project, export summary level schedule data into MS PowerPoint for weekly distribution. Integrate engineering task status in JIRA with critical path reporting in MS Project: engineering groups conduct daily standup meetings per scrum methodology, scheduler attends these daily meetings to gather status as well as provide real-time feedback for impact on program critical paths.

Project Scheduler, Facebook, Northridge, CA (on site, W-2 then contract work) Oct2017-2019, May2020-Feb2021

Lead scheduler at Facebook Connectivity Lab. Develop integrated planning for communications system research and development projects, from systems engineering through deployable hardware. Coordinate both planning and execution with multiple subcontractors, included frequent travel for supplier integration meetings. Provide weekly critical path analysis as well as near-term milestone and task reports. Create top level 1-pager PERT views for each subsystem in MS Project, then export into MS PowerPoint for weekly distribution.

Project Scheduler, Vector Launch, Huntington Beach, CA (on site, contract work) Jan2019-Aug2019

Lead scheduler for Vector-R launch manifest planning and advanced programs. Developed ground-up detail schedules with integrated capacity planning for multi-year manifest. Integrated development, testing, and production schedules including launch site buildout, FAA certifications, and logistics for moving launch support team/equipment between multiple launch sites. Developed summary schedules in OnePager Pro for focused daily critical path management. Integrated engineering task status in JIRA with critical path reporting in the master schedule in MS Project (management was developing the scrum process with their engineering teams, along with the idea of a master schedule for synchronizing development activities with production flow).

Project Scheduler, Jet Propulsion Lab (JPL), Pasadena (on site, W-2 then contract work) Mar2010-Jun2015 & Jan2017-Oct2017

Lead scheduler for multiple projects: #1 Mars 2020 instruments; #2 major proprietary project (clearance TS/SCI); #3 GRAIL (launched Sep 2011 with positive margin for both schedule and cost); and #4 InSight (\$470M NASA mission). Responsible for integration of science and payloads (CNES Paris, DLR Berlin, CAB Madrid, US/CA subs), mission operations, spacecraft (Lockheed Martin Denver), and launch vehicle (ULA

Denver). Monthly travel to partners in US and Europe, weekly partner integration telecons. Provided weekly schedule status and monthly EVMS reports to management. Generated schedule charts in MS Project, OnePager Pro, and Milestones Pro, facilitating an integrated flow of events through launch.

Project Scheduler, Giant Magellan Telescope, Pasadena, CA (W-2 on site) Jul2016-Jan2017

Lead scheduler for a large aperture ground-based telescope installation (24-meter primary mirror, 22-story enclosure) at Las Campanas Observatory in Chile. Developed ground-up master schedule integrating mirror fabrication, instrument development, telescope structure procurement, enclosure construction, wavefront control, and observatory integration and commissioning. Coordinated with researchers, universities, and suppliers in Korea, Italy, Australia, Chile, and multiple US locations. Integrated schedule and budget for EVMS reporting. Initiated schedule metrics for focused weekly critical path and schedule slack management in MS Project. Created top level schedule swim lane charts using OnePager Pro.

Project Scheduler, Virgin Galactic, Long Beach, CA (W-2 on site) Jun2015-Jun2016

Lead scheduler for LauncherOne program, low-cost launch vehicle for small satellite market, customers included OneWeb and NASA. Developed ground-up master schedule integrating two new custom-designed liquid rocket engines, advanced tank and avionics technologies, FAA certification, and modifications for a dedicated 747 carrier aircraft. Initiated schedule metrics for focused weekly critical path management and margin performance. Distilled 3000-task master schedule into single MS PowerPoint chart using OnePager Pro and Microsoft Project. Coordinated integrated capacity planning across multiple projects with operations planning team.

Project Scheduler, Northrop Grumman (on site via APR), Carson, CA Dec2005-Oct2009

Lead project scheduler for facility security installations, focus in Middle East region. Lead for Saudi Aramco project from proposal through execution, system design and install at 33 sites within a 3 year period of performance. Travel to Kingdom of Saudi Arabia (KSA), responsible for integration between KSA and US project offices, integration of multi-national schedules in MS Project between engineering, procurement, and major install subcontractor (NESMA).

Project Scheduler, Boeing, Orange & LA Counties (on site) Jan1997-Aug2000 & Jun-Oct2005

Lead project scheduler for Conical Microwave Imager Sounder (CMIS) project (El Segundo). Integrated engineering (PDM), operations (MRP), subcontractor schedules, and Earned Value Management Systems (EVMS) data in MS Project. Subject matter expert for integrated baseline review (IBR) teams.

Lead project scheduler for MEASAT-3 communications satellite (El Segundo) and major proprietary project (Seal Beach). Responsible for integration of engineering, manufacturing (MRP), and subcontractor schedules in MS Project; analysis and reporting of EVMS data. TS security clearance.

Mission modification scheduler for Delta Launch Vehicle in Huntington Beach. Project lead for generating multi-site system integration schedules in FastTrack between customers, engineering (PDM), suppliers (Omega), operations (MRP), and launch sites. Initiated implementation of Critical Chain (Theory of Constraints) project management methodologies, incorporating a systemic approach to capacity planning, project execution, and performance measurement.

Structures Engineer, McDonnell Douglas, Huntington Beach, CA (on site) Jun1989-Jan1997

Strength/structures engineer for Delta-II Launch Vehicle. Selected for rotational training program: assignments included production engineering support for assembly plant in Colorado and launch site support at CCAFS and VAFB. While working in the Delta-II launch vehicle assembly plant in Colorado, I completed my MBA in Operations Management. I was recruited back to Huntington Beach to create a system connecting customer requirements to engineering drawing release to manufacturing and launch site need dates: thus I transitioned my vocation from engineering into project planning. I self-taught my way through all systems involved in putting this initiative together (PDM, MRP/ERP, procurement, launch site documentation, etc). I was also trained and certified in process improvement techniques such as Theory of Constraints, Critical Chain Project Management, Lean Manufacturing, and Total Quality Management.

EDUCATION

B.S. in Aerospace Engineering, University of Colorado, Boulder

M.B.A. in Operations Management, University of Colorado, Colorado Springs

Systems Engineering Certificate Program, Caltech Systems Engineering Center
Constraints Management Practitioner (Theory of Constraints, Critical Chain), Engineering Management
Program at Washington State University (remote learning)