

Service Proposal

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If you would like to get a first impression:

www.youtube.com/@Digital_Economy_TV

If you act as a project agent for an end customer, please, respect my related notes:

www.nolden-it.com (Scroll down to the bottom of the page.)

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My Services

For PLM-initiatives of all kind I offer project management and lead consulting in all phases and, respectively, end-to end for all phases. It comes without saying that I carry all artifacts, as a result of each phase, through quality gates and approvals as required by your individual development standards.

As a lead consultant I build on many years of experience with conception and implementation of PLM-solutions. I figure out the fields of action and critical details. I find adequate solution-providers for your individual needs and make their consultants together with your internal experts a team.

Together we deliver not just any PLM-system which solves your obvious trouble but your individual PLM-system which makes you a stronger player in your market on the long run.

Concept Phase and general PLM-Consulting

The initial questions are: What do we have? What do we want? What do we need?

I analyze the documentation of your process and IT landscape. I interview key-users, operational management and IT-architects. In mutual workshops we put down on paper all relevant details of your business, strengths and weaknesses, productivity losses and what your key players really need as well as which solution approach really would fit to you.

These insights are the fundament for the subsequent discussions with solution providers which fit best to your needs. We clarify which solution they could offer and discuss it in conceptual workshops with your experts and their solution architects. Therein, we develop specific solution concepts based on the considered systems.

When we are sure that our concept and, respectively, the competing concepts will be serviceable and provide adequate additional value we prepare the decision memos.

“Yes or no? And, if yes, which of the options?”

Design Phase

Based on the finalized and approved concept your IT, the solution architects and myself develop your system and it's integration in your enterprise-architecture. Together with your key users we develop data- and BOM-structures, clarify technical and procedural details and document the specifications.

In this phase I put particular value in ensuring a frictionless collaboration between PLM-project and all stakeholder groups in the environment. Specifically, in many cases the collaboration between the officers for PLM and ERP is surprisingly difficult.

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This is, on one hand, a surprise since the integration of data structures between PLM and ERP is essential for both sides. On the other hand it is not because both usually belong to different organizational units. In any case it is one of the most typical and most important causes for trouble in the subsequent phase, the implementation not having cared for mutual objectives and processes as well as for frictionless collaboration early enough.

It is my mission protecting you from this problem.

Implementation Phase

When the design has reached an adequate maturity level for implementation I build up the cross-organizational processes and team structures. I organize and host workshops, ensure the performance of critical topics across the sprints and avoid unnecessary sources of trouble.

I take care that all stakeholders have the complete picture of progress and which result to expect at any time.

Test and Rollout

Together with your test managers I ensure that all system and approval tests are effective from a functional and efficient from an organizational point of view. In particular, I watch over all organizational unit to be involved early and to have booked all relevant resources reliably for the critical point in time.

Furthermore, I support the rollout management by preparing the user groups for cutover and all changes related to the new system.

Hypercare and Handover to Operation Support

Last but not least I take care for an adequate support for user groups during the hypercare phase as well as for the handover to operation support including the operations manual and everything else.

In the end we have to face the question which additional value we have provided to your business. I take care that you have a good answer.

No idea what lies ahead of you?

Many customers experienced organizational changes and brain drain during the last years. And others face the topic of PLM for the first time.

Don't make the mistake to present business cases and allocate budgets too early!

A few weeks of consulting to figure out what really lies ahead for your organization before making promises to the senior management is a good investment!

My Promise

My experiences and myself stand out due to the following:

- **Enterprise Project Management:** My most important projects had a three-digit count of direct participants and multiple subsidiary companies as stakeholders. It is part of my brand promise that I not only act confidently in such environments but also ensure efficient communication and transform competing objectives into an inspiring collaborative vision.
- **Strategic Project Management:** I lead projects which are essential for my customer's commercial long-term success. It is not enough for me to just meet time, budget and quality. I also ensure that a successful project means a better position for my customer. Better than before and better than it would be with an ordinary project manager.
- **Complex and Global Supplier Management:** Competing service providers and globally distributed teams with diverse corporate cultures are my daily routine. I enjoy building up harmonious teams on this fundament as much as I enjoy advocating one specific participant's interests in such a structure.
- **Focus on Results:** I don't say "everything is possible". But if project business taught me anything, then that "impossible" often depends on the perspective. Budget estimations, for examples, always make my customers struggle. Many of my competitors insist that "such a project is impossible to calculate". My Plans and fixed-price offers, meanwhile, make it easier to manage for the customer and lead to a better margin for the supplier..
- **Hands-Off-Management with a Pragmatic Hands-On-Mindset:** A good manager, in my eyes, has trust in his team's skills and focusses on leading the team towards corporate success. But an excellent manager is, if needed, also a good sparring partner for the experts in discussions about functional or technical details.
- **Leadership:** The greatest feedback my colleagues occasionally give me is that they enjoy collaborating with me because they always know what they have to do and where the journey goes. Clear expectations combined with individual coaching is the recipe for my success.

My Background

I look back on the following experience:

- Ca. 25 years of experience in digitalisation projects, therein
 - more than 20 years with automotive OEMs and 1st tier suppliers and
 - ca. 5 years in other sectors (aerospace, publishing, public sector)
- Ca. 15 years responsibility for project teams and results
 - Time, budget, quality and business value
 - Set-up and management of teams, coaching of team members
 - Coaching of new team members for project-oriented work
 - Coaching of experienced experts for management tasks
 - Introduction of agile methods and management of agile teams
 - Project initiation
 - Proposal and negotiation for complex IT-projects
 - Coordination of procurements by tender
 - Set-up and maintenance of legally compliant service specifications
 - Project management with classic and agile methods
 - Set-up and management of consulting- and SW-projects
 - Function lead for consultants and SW-developers
 - Multi-project management
 - Contractual management (supplier management, negotiations of frame contracts, organisation of international bidding consortia)
 - Budget responsibility within the seven-figure range
- Ca. 5 years of responsibility for multinational project teams (near- and offshore)
- Ca. 5 years of responsibility for software quality
- 3,5 years key account management in automotive industry, disciplinary responsibility for up to ten employees

Freelance-Projects

Among others I performed key-positions in the following projects.

Set-Up for PLM-Projects (September 2024 to March 2025)

Customer: Lapmaster Wolters GmbH

Role: Project manager (early phase) for PLM and MDM

Topics:

- PLM including variant management and change management
- Master data management (MDM) incl. classification structure based on E-Class, quality assured creation process for materials and data cleansing
- Document management with SAP DVS as SSoT for documents
- Digital machine file
- Product compliance

Responsibilities:

- Review, evaluation and re-alignment of halted projects
- Planning and set-up for restart in terms of a consistent PLM-program for an integrated E2E-process from CAD to ERP including PLM
- Preparation of the concept phase
 - Analysis of workflows, definition of target processes within the E2E-process
 - Documentation of pain points in all processes (CAD, PLM, downstream)
 - Rough design of Enterprise-Architectures for possible solution options for future PLM-landscapes
 - Preliminary consultation with the considered system suppliers
- Project planning and structure with multiple extension stages with inherent business value for early and reliable realisation of benefits, for avoiding unnecessary dependencies as well as for reliable cost planning
- Transformation to business cases and commercial management of the project / program as counterpart of general management and owners
- Set-up of international teams of experts for process and system design within CAD, PLM, downstream processes (SAP) and IT-infrastructure
- Selection and management of external consultants, system vendors and development partners
- Organisation of workshops, conceptual work and documentation

Exchange of the PLM- and ERP-systems (November 2022 to August 2024)

Customer: MAHLE International GmbH

Role: Project Lead Business of the domain *Engineering Design* within the program *One PLM*

Topics:

- Replacement of SAP PLM by the PTC Windchill toolchain
- Replacement of SAP R/3 by SAP HANA
- Worldwide harmonisation of processes and data models among the different business units



Responsibilities

- Functional, organisational and commercial management of the system development for PTC Windchill PDMLink and ThingWorx incl. alignment of the mutual data model with SAP HANA
- Team lead for the business architects
- Set-up of project workflows based on SAFe, team management from the role of the product owner
- Re-alignment of project management method and process model
- Planning and initiation of multiple cross-domain projects
- Ensuring of the readiness of critical scope for design- and code-freeze
- Development of scope-specific standards for project management and human resources

Experience as Employee (Selection)

Quality Management for ECA (Engineering Center Aggregate)

Period: 2012-2016

Customer: Volkswagen AG

Role: Quality manager

Topic: Customizing of the product data management (PDM) for aggregate development based on PTC Windchill

Responsibilities:

- Representative of the customer in the context of software quality
- Set-up of the QA-processes for the project
- Set-up and management of the QA-team
- Planning and execution of beta tests, management of the testing team
- Planung und Durchführung von Beta-Tests, Leitung des Test-Teams

Introduction + Maintenance of a System for simulation data management (SDM)

Period: 2000nds

Customer: Volkswagen AG

Role: Consultant, project manager, system analyst, system administrator

Topic: Multiple projects for the development, customisation and maintenance of systems for the management of CAE-data as well as of CAE-processes based on MSC.SimManager and, respectively, CAE Bench as well as other systems.

Other Projects

- **TRAVEST** – Development of numerical approaches for the efficient calculation of transverse stress in thin three-dimensional composite-structures for DLR and MSC.Software
- **Black Fuselage** – Development of the CAE-basics for the simulation of aircraft fuselage from CFK for DLR and Airbus Industries
- **K-PDM** – Key Account Management and multi-project management for the customizing of the PDM for automotive development based on Siemens Teamcenter for Volkswagen, team lead for JavaEE-experts
- **XNotar** – Project management for the development of notary software for the Bundesnotarkammer (federal notary chamber)

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Some Topics from my Projects

Among others I have been responsible for the following subjects and activities.

Windchill PDMLink and SAP HANA

- Integrated data model for eBOM and mBOM
- Integration of EPC-solutions
- Data model and processes for change requests and status changes in different WTParts within the same table drawings
- Data model and processes for service parts and packed parts
- Integration of electronic hardware design in general PLM with Altium and xPLM
- Integration of CATIA, NX and SolidWorks with the WGM

ThingWorx and SAP HANA

- Viewing of drawings and 3D-models from PDMLink for SAP-user
- Development of customised apps
- Aggregation of cross-process data within the Lifecycle Change Management

Teamcenter-Customising with Jakarta EE

- Automatic creation of sectional drawings from 3D-models in Siemens Teamcenter
- Development of multiple ESB-adapters and GUI-components for Siemens Teamcenter

Project Management

- Development and implementation of classic, hybrid and agile approaches for multiple projects
- Introduction of Scrum, SAFe and OKR
- Management of offshore development teams and partners

Buzzwords

C++, C#, Confluence, Creo, Dimensions, Enterprise Service Bus (ESB), ExtJS, HP ALM, HP ServiceCenter IT-PEP, IT-PEP agil, ITIL, Jakarta EE, Jira, supplier management, MS Project, Open PLM, Open DXM, OSLC, Python, ReactJS, REST, SAFe, Scrum, SOA, waterfall model

Impressum

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