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<Education>

- '05.03 ~ '07.02 : KAIST(Korea Advanced Institute of Science & Technology) MBA (3.43/4.30)
- '95'09 ~ '97.08 : KAIST Master of engineering in automation & design engineering (3.66/4.30)
- '91.03 ~ '95.08 : KAIST Bachelor of engineering in mechanical engineering (3.03/4.3)

<Interests>

- Project Management
- Product development planning
- R&D strategy & system improvement
- Proto development
- English interpretation & translation

<Core strength / Competencies>

- Product development process improvement & corresponding system improvement
- Vehicle parts design / prototype / mass-production process management
- Project management from new product development to SOP, related issue management
- Collaboration with CFT members to solve the problems, problem-solving status monitoring
- Risk management & schedule/deliverable management for tasks, based on APQP
- QCD (Quality, Cost, & Delivery) management for proto development & mass production
 - 1) Control by the basis of Correct product, Correct quantity, & Correct location
 - 2) Practice by the sequences of :
 - a. Separation the necessary from the unnecessary
 - b. Removal the unnecessary
 - c. Cleaning the necessary
 - d. Maintaining the cleanness
 - e. Making these sequences as a routine habit
- Cost reduction management for die/mold, facility, and raw material
- Translation & interpretation for business & technology

<Work Experiences>

- **'17.03 ~ Present, KET (Korea Electric Terminal)**
 - 1. Proto development project management
(HV/LV connector, ICB, PRA/BDU, Wire harness)
 - 1) Control the delivery quantity & date with sales team
 - 2) Incoming inspection for parts based on the inspection standards

- 3) Proto assembly and corresponding problems checkup
 - 4) Hold CFT meetings to define roles & responsibilities for design/mold/quality issues, and check the improvement status regularly
 - 5) Kanban-based material flow control
 - 6) SMT operation and defect inspection for FPCB assy
 - 7) Laser welding for DOE (Design of Experiments)
 - 8) EOL (End of Line) inspection, visual inspection for final product
2. Production line set up for Poland plant, education about product/process/system for Polish managers, and various English Interpretation & translation for Polish employees
 - 1) Domestic education for Polish production/quality managers
 - 2) Business trip for production line set up
 - a. Suppliers' schedule & issue management for facility stabilization
 - b. Pilot production requested by customer, before SOP (Start of Production)
 - c. Operator training, product/process/system education for Polish managers
 - d. Standard documents cross-check and translation
(PFMEA, Control Plan, Operation standard, inspection standard, etc.)
 - e. Interpretation for Polish stakeholders and overseas customers/suppliers
3. Proto/Pilot project management
 - 1) Hold a CFT meeting to create schedules for 4M(Man/Machine/Material/Method), Design Validation, Product Validation, and Mass production
 - 2) Cost management & report
 - a. Investment cost analysis based on the mold/facility/material cost
 - b. Derive a rate of return based on selling price
 - c. Report to the executives, to get the project start approval
 - 3) Schedule and deliverables management for main tasks
 - 4) Define roles and responsibilities about design/mold/material issues, and check the improvement status
 - 5) Check regularly if the project meets the main delivery schedules
- **'12.09 ~ '15.12, Doosan Infracore**
 1. Proto project management for excavators
 - 1) Hold a CFT meeting to create schedules for 4M(Man/Machine/Material/Method), Design Validation, and Test driving
 - 2) Dimension & visual inspection for self-production & suppliers' parts
 - 3) Define roles and responsibilities about design/weld/material issues, and check the improvement status
 - 4) Quality improvement status & schedule management by visiting suppliers
 - 5) Create inspection standards for main parts
 - 6) CMM (Coordinate Measuring Machine) system management & improvement

2. NPD (New Product Development) management system improvement
 - 1) Requirement gathering & analysis for product development process/system, through stakeholders' interviews
 - 2) Modify the existing system user interface based on the requirement analysis
 - 3) Remove the problems and bugs from the existing system
 - 4) Executive-oriented function improvement, such as warning signal or mail delivery in case of schedule delay
 - 5) Additional requirement gathering & analysis for system open/stabilization

3. CAD/PLM system environment optimization & CAD template development
 - 1) Requirement gathering & analysis for CAD/PLM, through designers' interviews
 - 2) Company's existing IT hardware specification check, for engineering design & corresponding data storage
 - 3) Review the suppliers' proposal & report to the executives
 - 4) Create the modified CAD/PLM architecture, considering the existing company's IT hardware status
 - 5) Project management for 3D parts parametric design, standardization & modularization, based on CAD API (Application Programming Interface)
 - a. Main part selection based on the designers' interview
 - b. Apply the parametric methodology to the main dimensions
 - c. Perform a test for designers and reflect the corresponding feedbacks

- **'07.02 ~ '12.08, Samsung SDS**

1. Product development process improvement for Samsung Electronics
 - 1) Improved product development process by analyzing the stakeholders' requirements
 - 2) Designed the corresponding system user interface
 - 3) Improved 3D CAD design process by changing the engineering data storage method, from local to web-based
 - 4) Suggested the collaboration between Sales & Design team
 - a. Sales requirement expressed by engineering terms
 - b. Product development schedule, considering Design team's manpower
2. Established design collaboration system of Samsung Construction & Technology
 - 1) Analyzed the stakeholders' requirements
 - 2) Selected the suitable CAD viewer application for design collaboration
 - 3) Educated the construction employees how to use the application
 - 4) Additional requirement gathering & analysis for system open/stabilization
3. Established product development process for Samsung Fire & Marine Insurance
 - The first practice of modulization and standardization for document information

4. Made & taught PLM(Product Lifecycle Management) lecture contents for employees in Samsung SDS

- 1) Made & taught PLM contents
- 2) Contributed to fortifying employees' PLM competencies

- **'97.08 ~ '05.02, GM Korea**

1. Made the overseas car body welding line

- 1) Designed the line layout / welding fixture
- 2) Documented TCF(Technical Construction File)
- 3) Made & exported the car body welding line to the Eastern Europe

2. Improved 3D Die Design Process & CMM-based Measurement Process

- 1) Documented the process of parameter-based 3D design
- 2) Developed the VC++ program for CMM
- 3) Reduced the time of die design & 3D measurement

3. Project management for the overseas die manufacturing

- 1) Managed the revision & history of customer's drawings
- 2) Create schedules for machining, assembly, tryout, and delivery
- 3) Perform a quality check for stamped panel
- 4) Find the defects and check the improvement status

4. Improved tooling center field, based on operators' requirements

- 1) Applied CAD viewer for die manufacturing
- 2) Developed VC++ program for NC data display/work Instruction
- 3) Reduced the time of die manufacturing

5. Established the digital manufacturing system

- 1) Created the kinematic simulation system for car body welding Line / press Line
- 2) Reduced the time of BIW(Body In White) manufacturing by pre-verifying errors such as clash detection

<Honors and Awards>

'07.02 Grand Prize from KAIST MBA, in Business Consulting Course

- Consulted for KITECH's To-Be Business Model
(KITECH : Korea Institute of Industrial Technology)

<Others>

- Language
 - TOEIC 860 (Valid Until 2017/12/20)
 - OPIC Vietnamese IL (Valid Until 2023/01/08)
 - Japanese (Daily conversation & engineering meeting)

- Certification
 - PMP (From '10.04.05)
- OA
 - Skilled in Powerpoint, Excel, Word, Internet
- CAx Tool
 - Experienced in 2D/3D Design Tool, PDM, Kinematic Simulation
- Education
 - Samsung S/W Academy (Requirement Engineering, PLM)