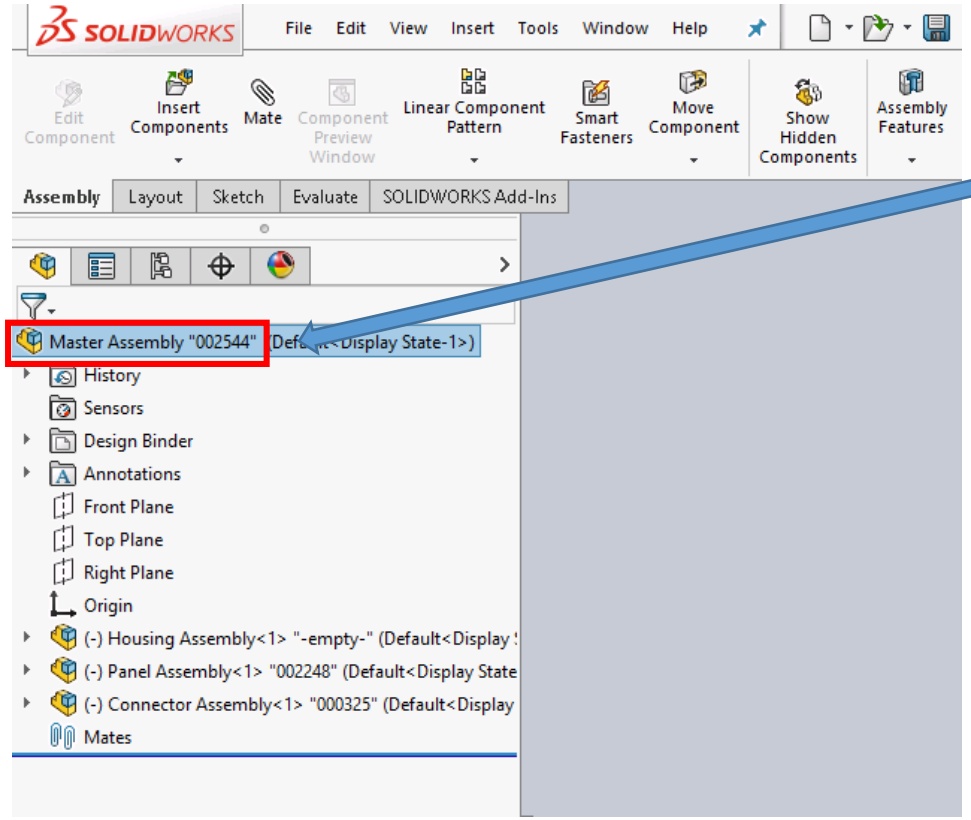
CAD-ERP Integration

HT Eurep

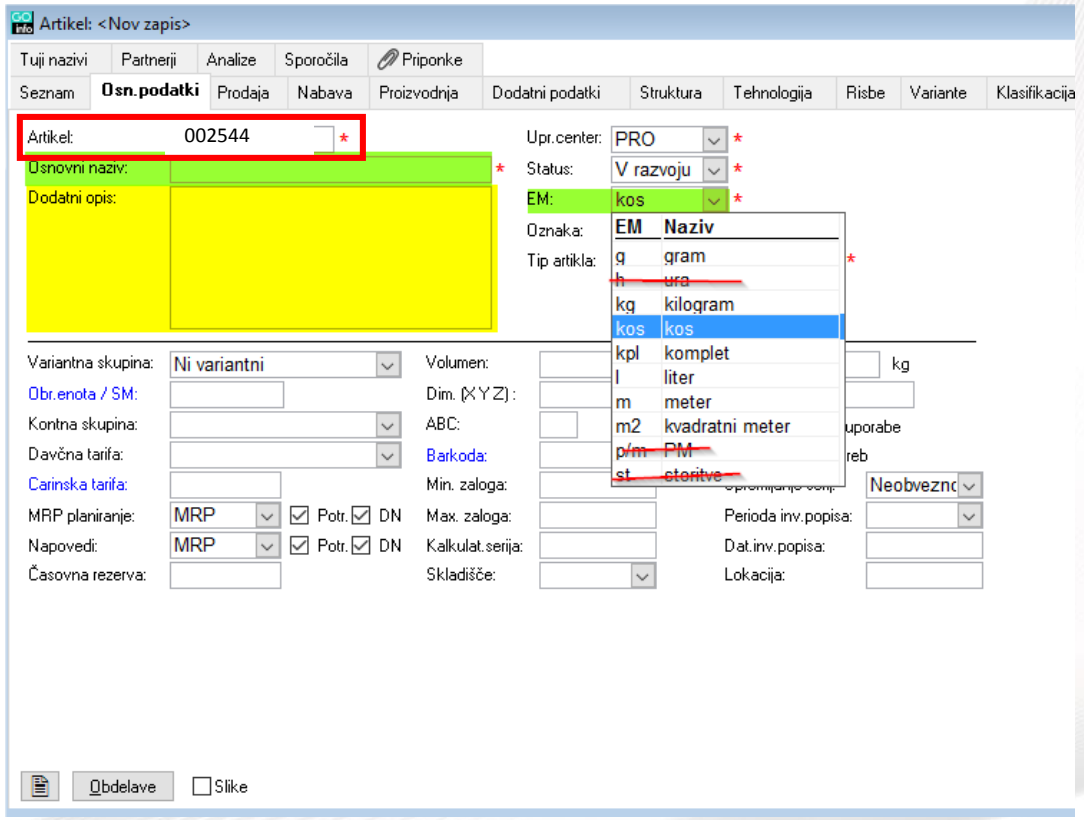
Member of COMPUTER CONTROLS

CAD - SolidWorks



CAD-ERP interface

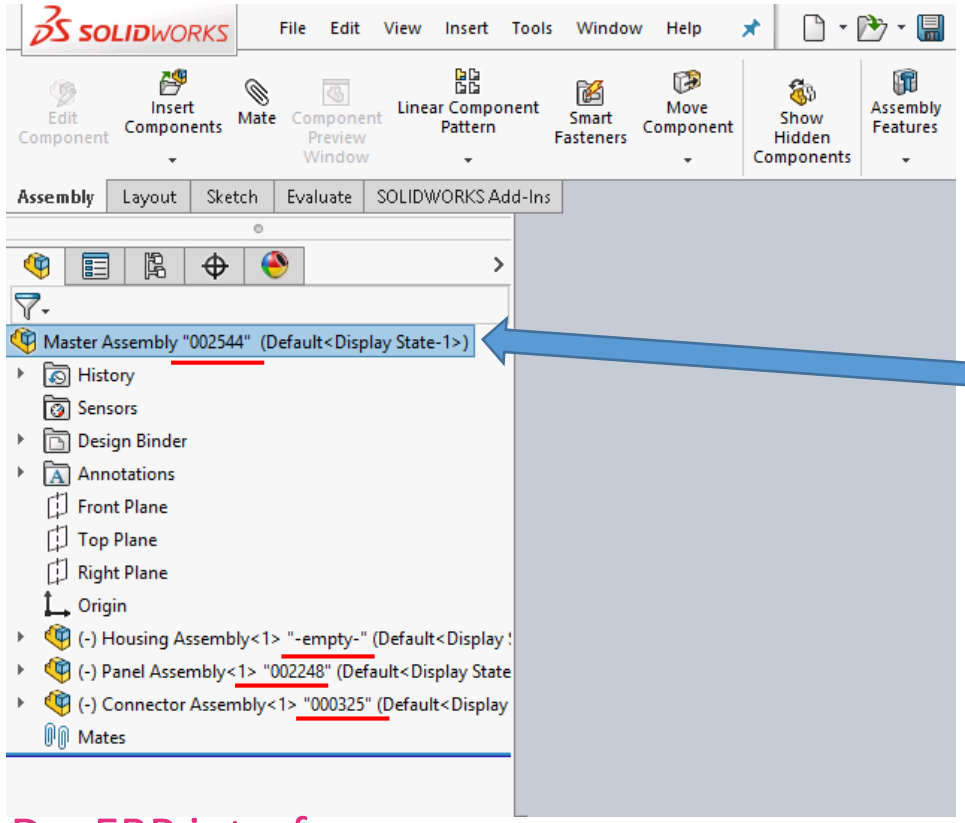
ERP - GoSoft



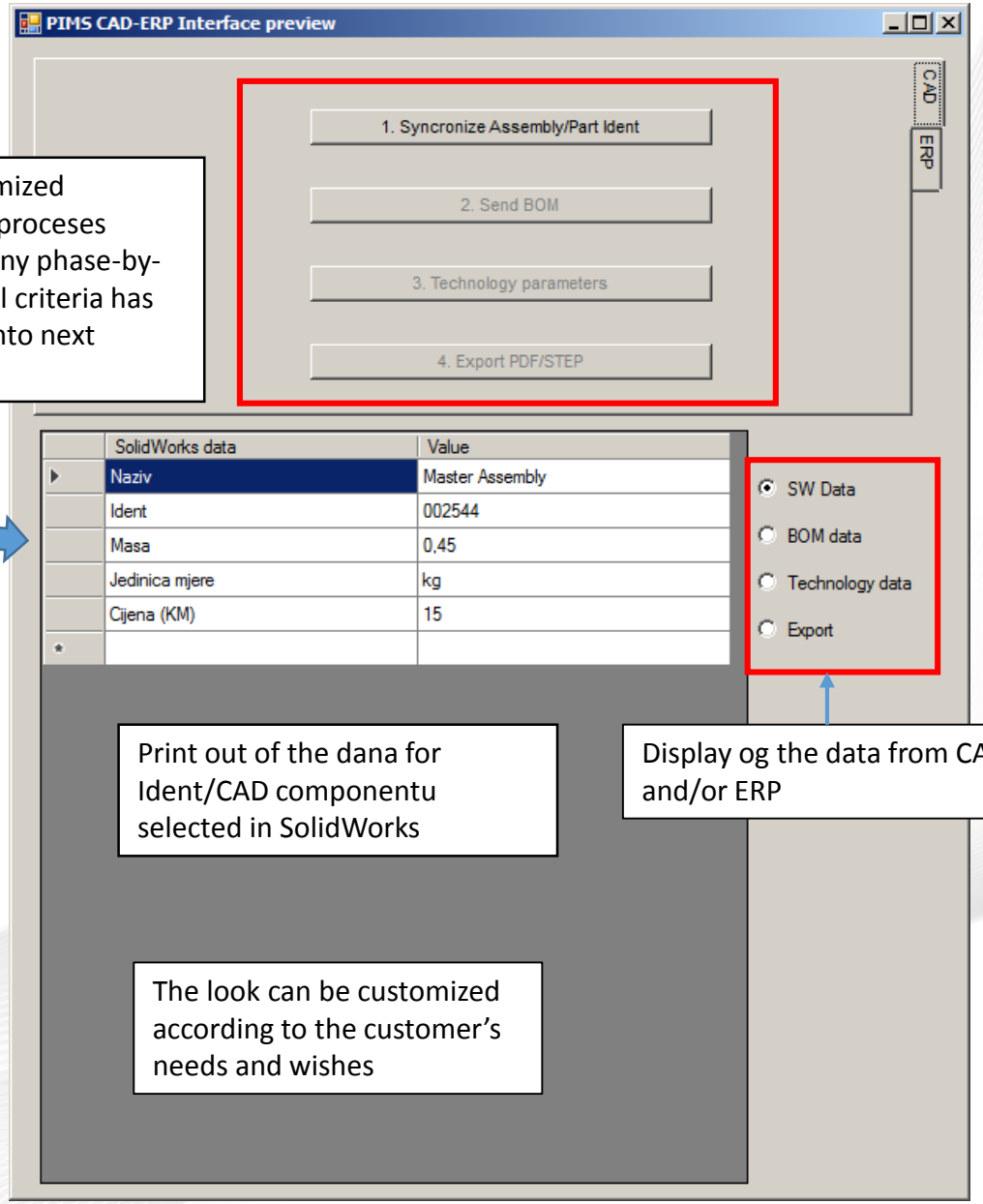
Goal of the CAD-ERP interface:

- Reduce the need of the engineers to go out of the CAD software
- Automatization of the processes in ERP sustavu
- Dana exchange between softwares (no need to skip to other app to look for data)

CAD – ERP interface



App usage customized according to the proceses inside the company phase-by-phase (check if all criteria has been met to go into next phase)



Print out of the dana for Ident/CAD componentu selected in SolidWorks

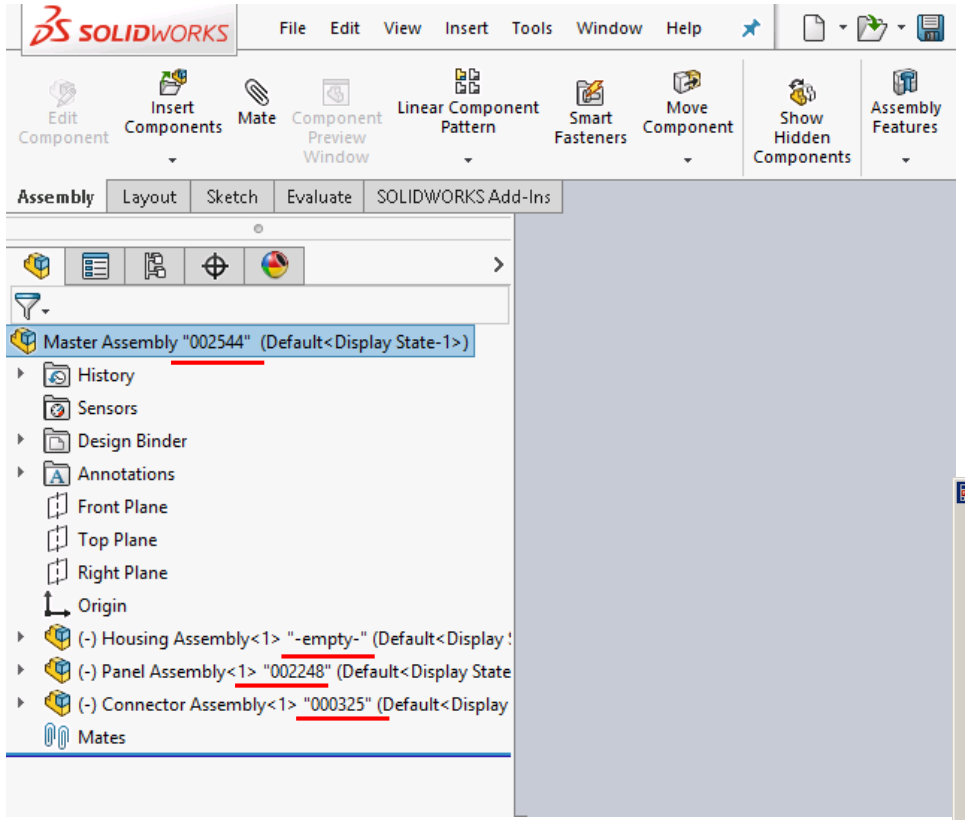
Display og the data from CAD and/or ERP

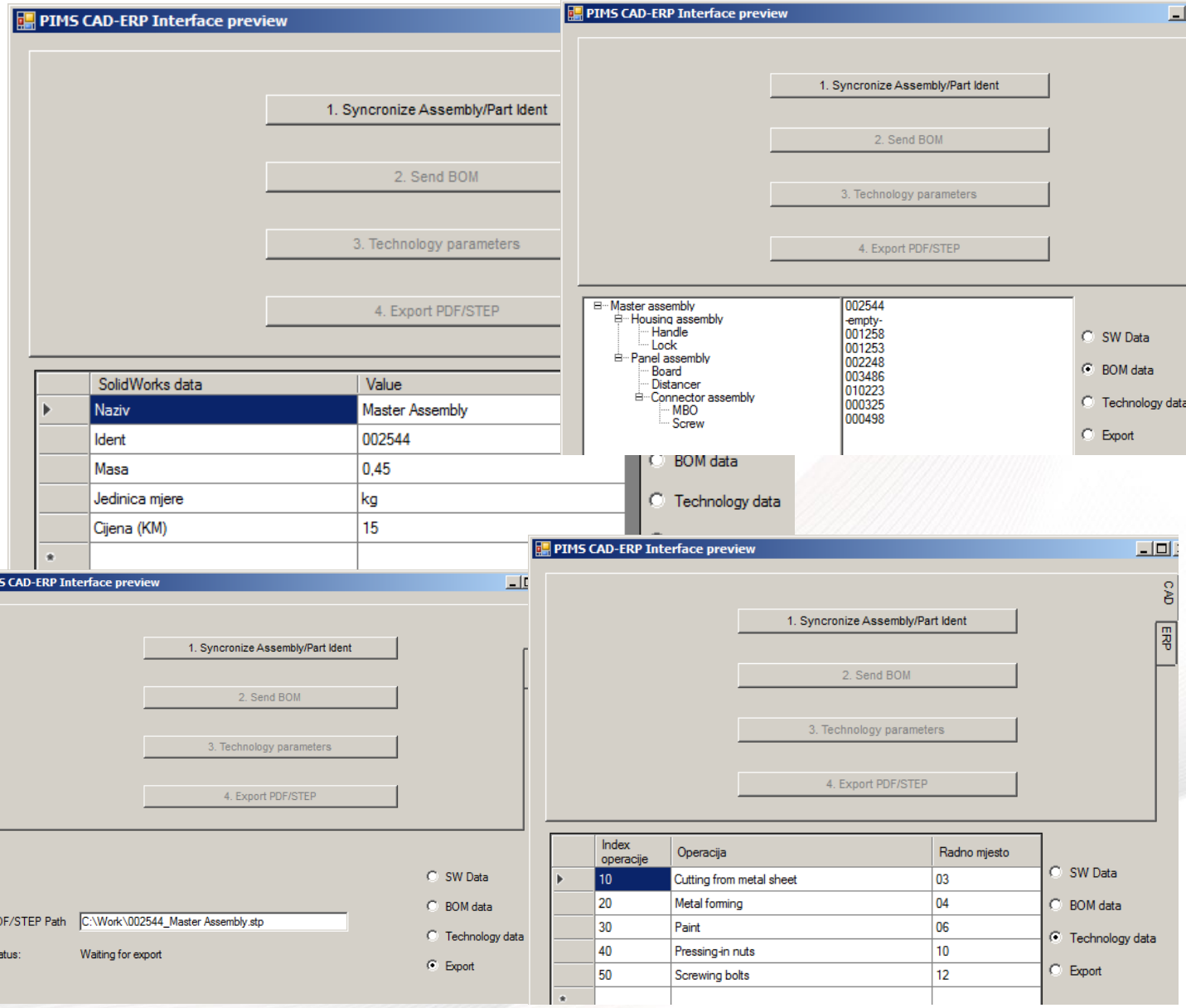
The look can be customized according to the customer's needs and wishes

CAD – ERP interface:

1. Engineering phase-by-phase
   - CAD design
   - Selection of the technology
   - Manufacturing

CAD – ERP interface

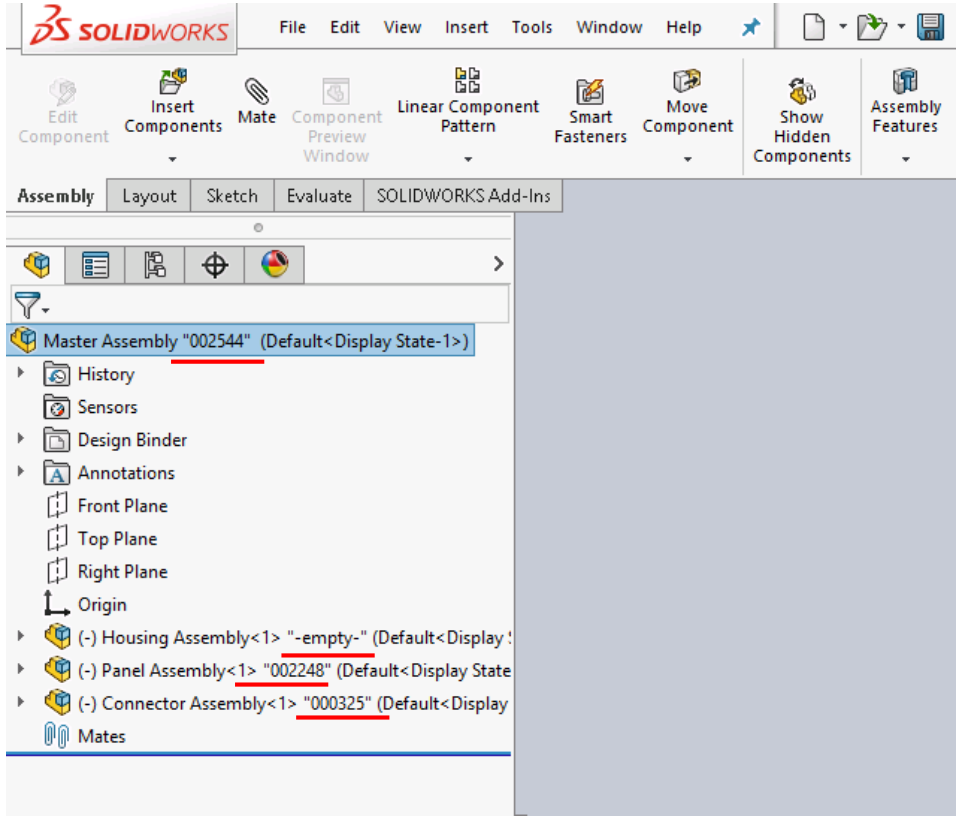


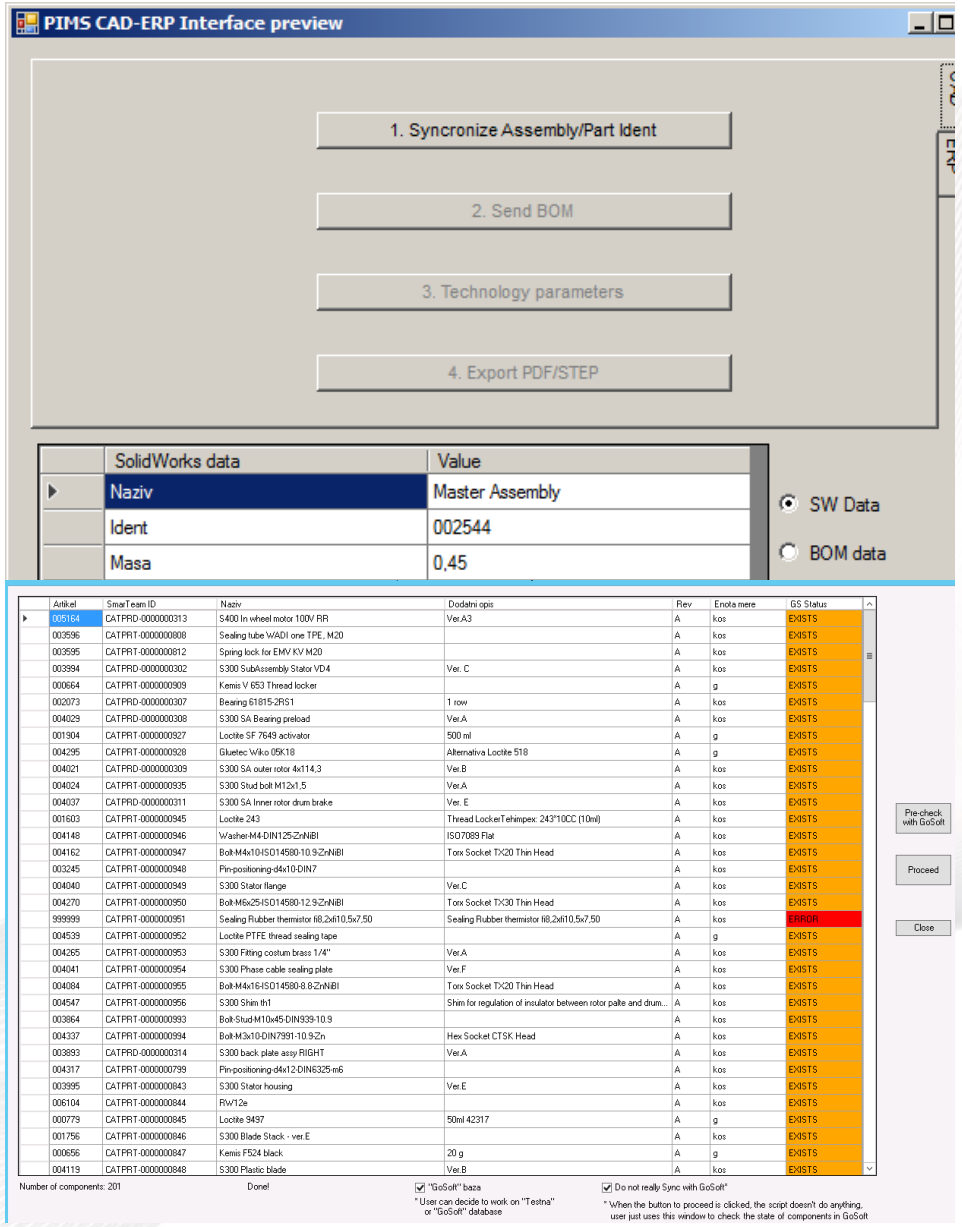


CAD – ERP interface:

2. Dana exchange between CAD and ERP on current Part/SubAssembly/Assembly

CAD – ERP interface



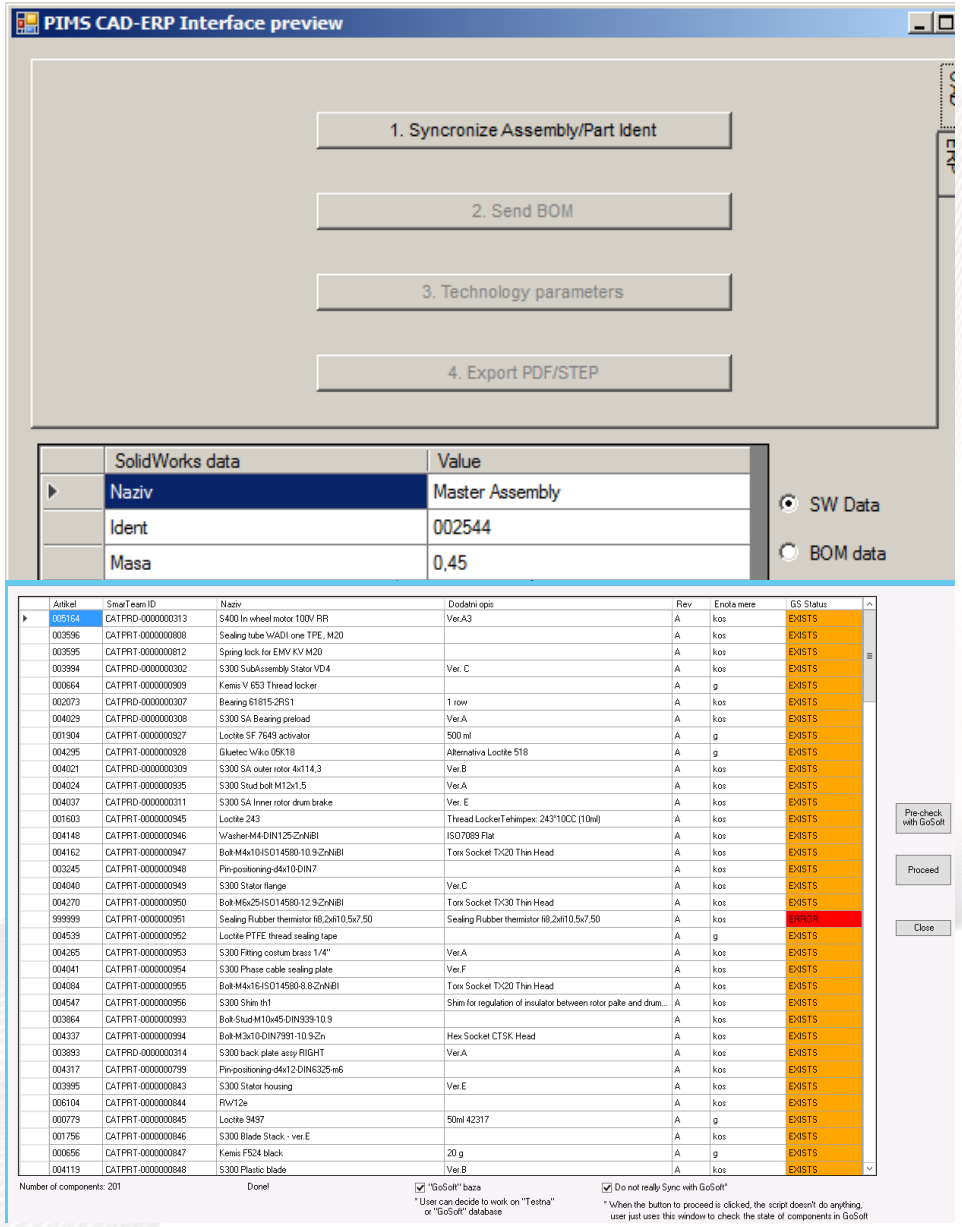


CAD – ERP interface:

3. Adding new data into CAD
   - Fetching new Indents from GoSoft (for part or complete assembly)
   - Dana exchange for existing parts(feedback from GoSoft)
   - Check of the complet structure if it is ready for next phase

CAD – ERP interface

- Required information:
  - When to do sinchronization (in which design phase)
  - Checks before sync that can stop syncing if certain conditions are not met? (for example approval inside SW)
  - Which data is needed from SW to perform syncing?
  - Which data is needed from GS to perform syncing (required fileds for opening Indent?)



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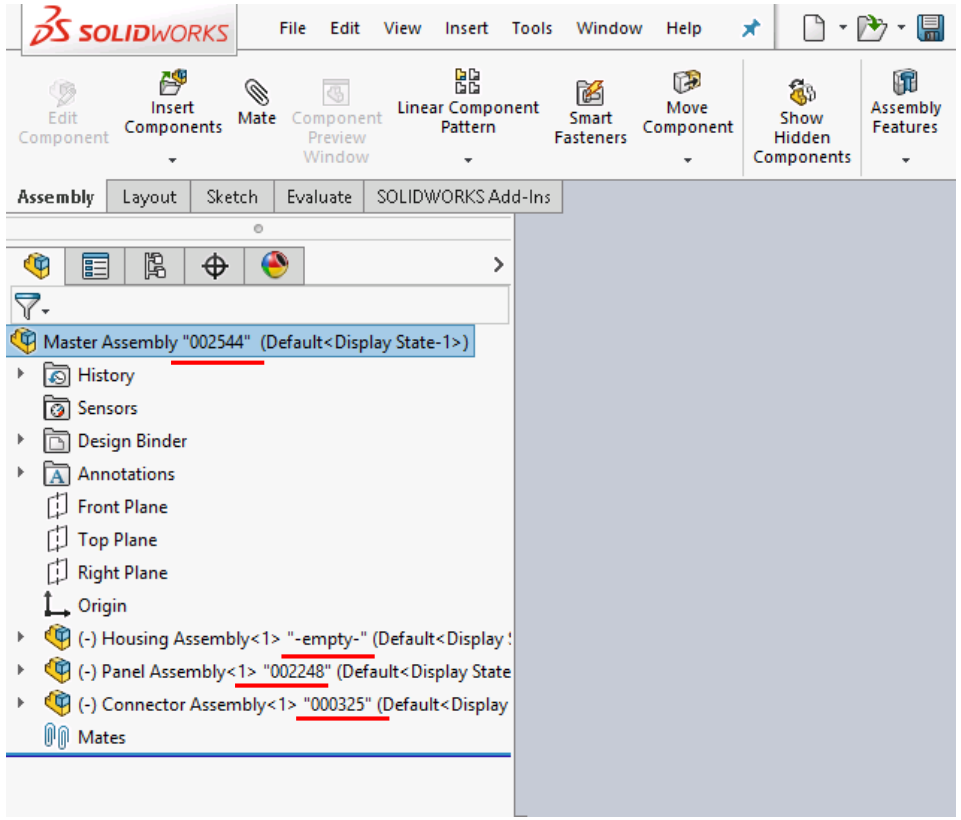
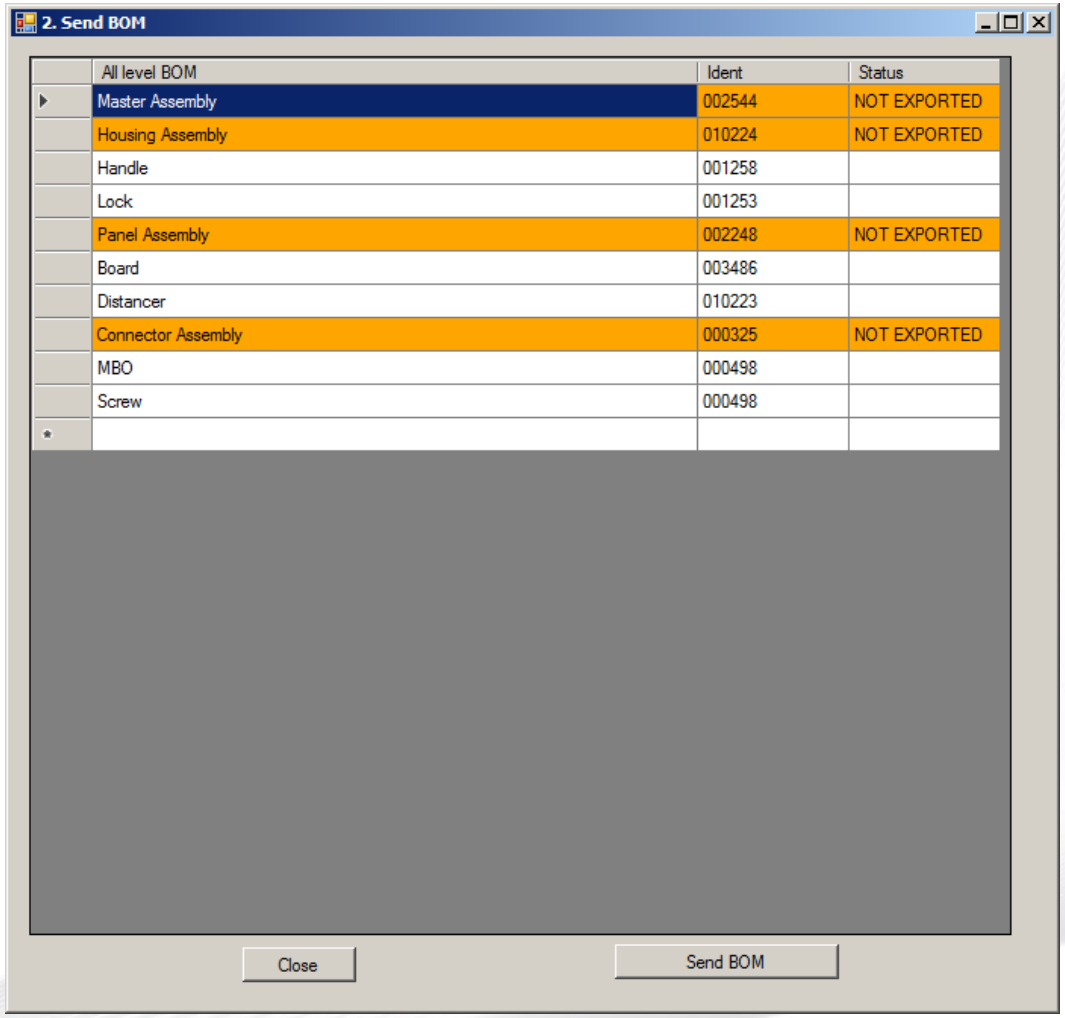


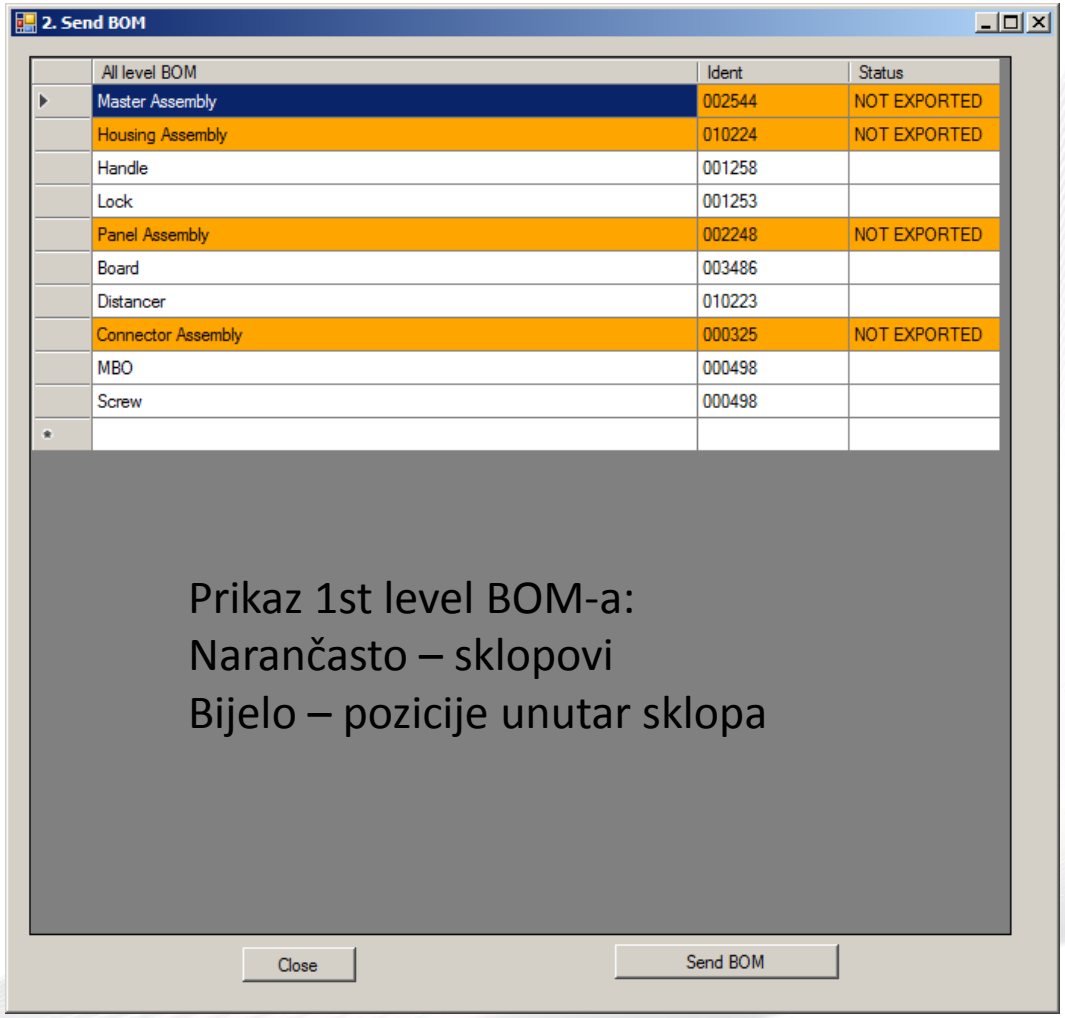


CAD – ERP interface:

4. Export of the structure from CAD to GoSoft
   - Sending BOM structure (1st level BOM)
   - Check if all structures are created and exported

CAD – ERP interface

- Required information :
  - When to send BOM structure (in which design phase)
  - What BOM structure is sent (1st level or all-level BOM), position by position or complete assemblies
  - Certain checks before sending that can stop the process if conditions not met (do all Indents exist)?
  - Which SW dana is needed to perform sincing – indent of the subassembly + indents of the positions + amount (total and/or by position)



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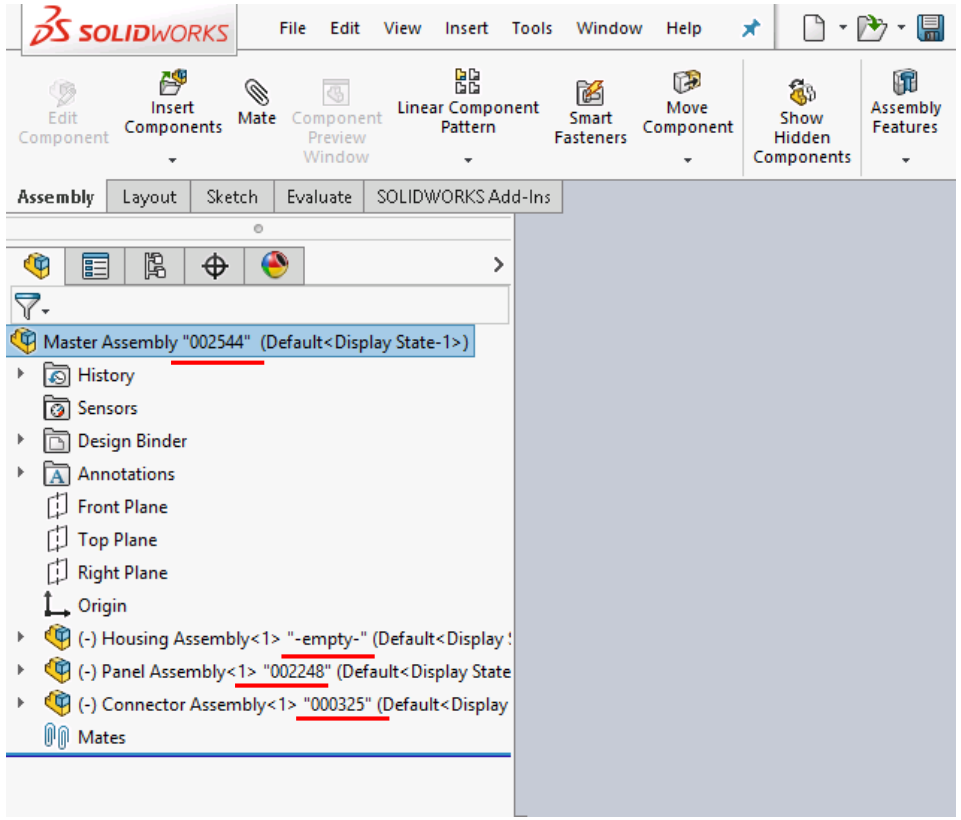
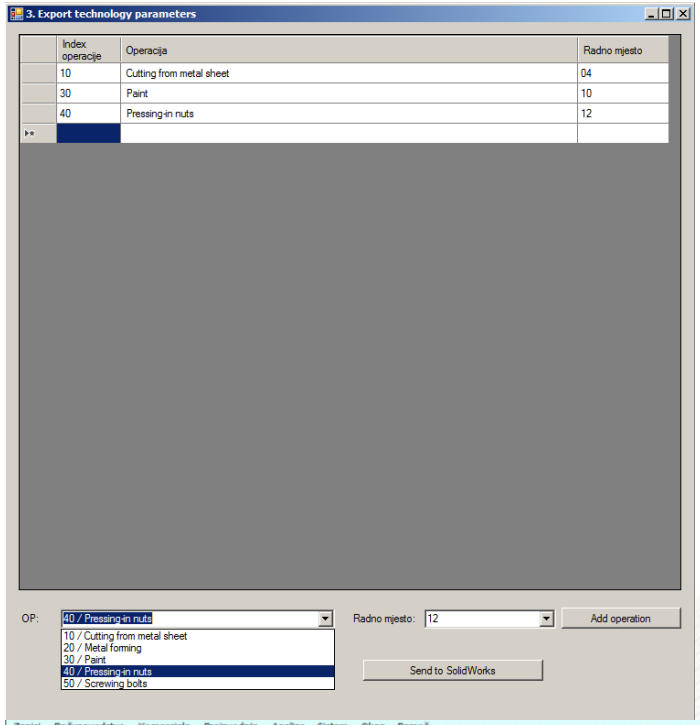
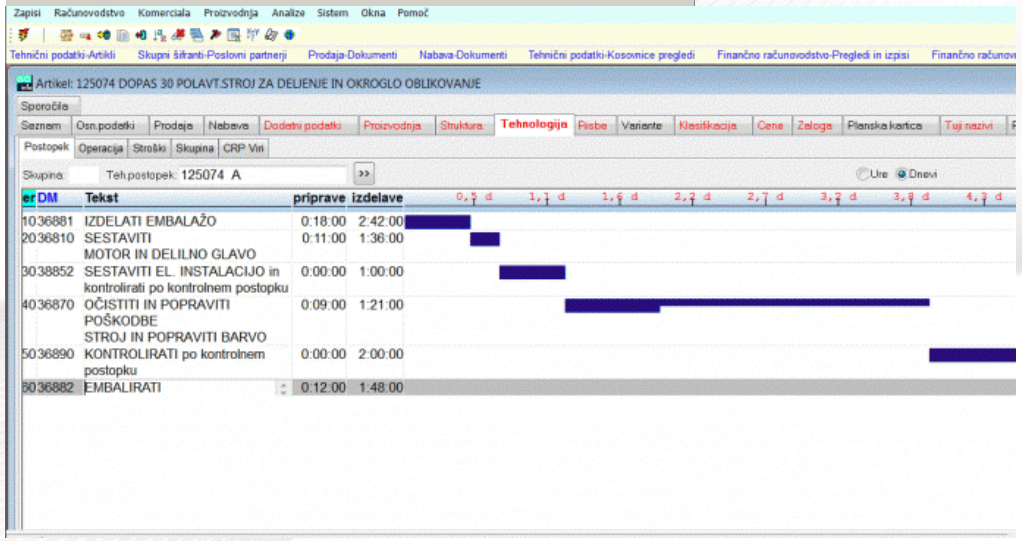




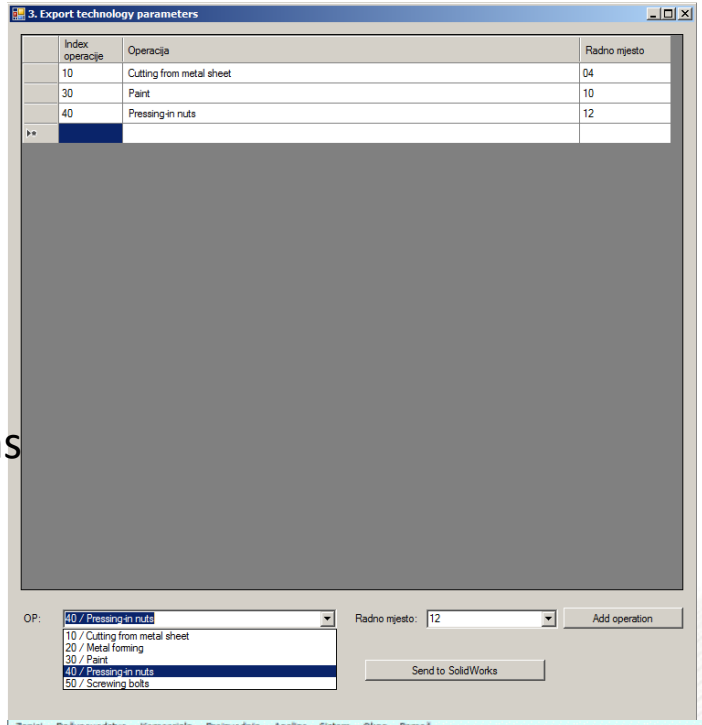


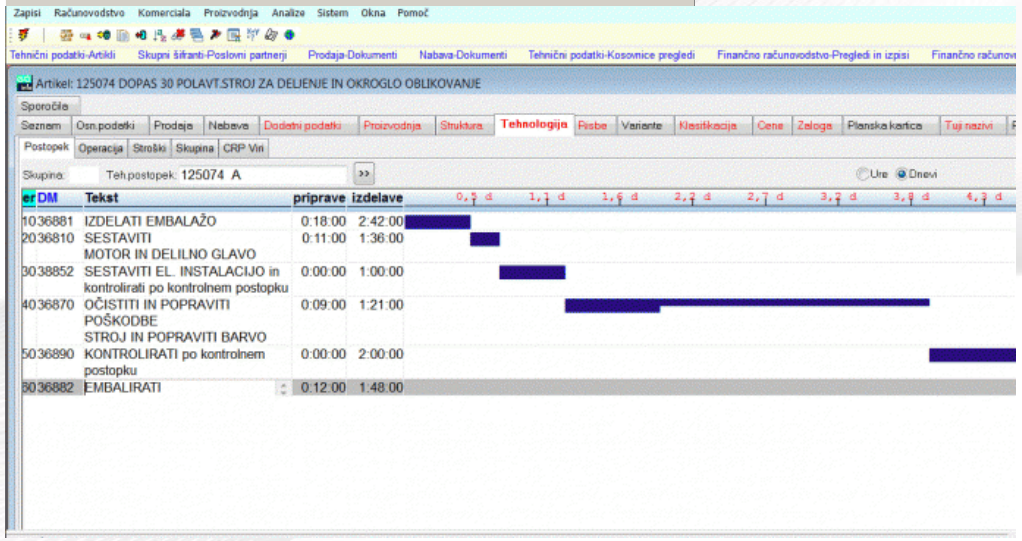
CAD – ERP interface:

5. Adding new data into ERP
   - Technology dana written into CAD
   - Syncing / sending data into ERP
   - Syncing of all available operations and workplaces with ERP

CAD – ERP interface

- Required information :
  - When to send technology to GoSoft (after/before BOM structure or some other phase)
  - How to send technology to GoSoft (for position/Indent (bottom to top), for assembly, all subassemblies/positions below (top to bottom))
  - Dana to be sent (Order of the operations, number of the operation, name of the operation, time of the operation; selection method– drop-down menu with options)
  - Sincing of the technology dana with GoSoft (list of all operations, timings etc.)





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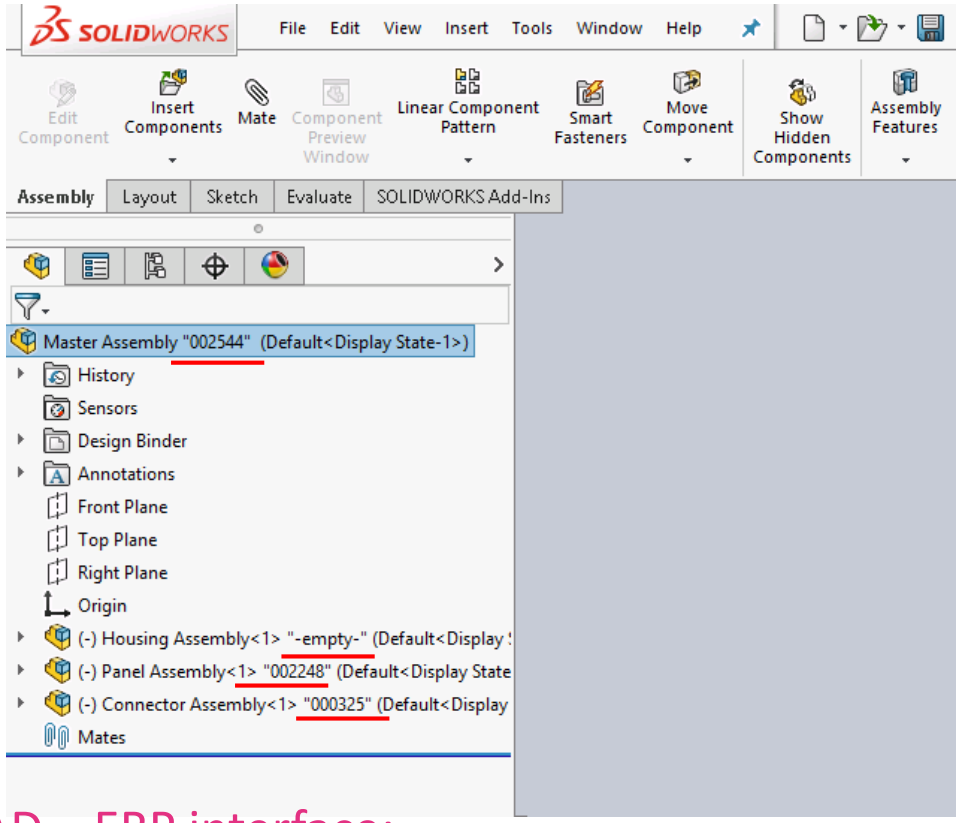

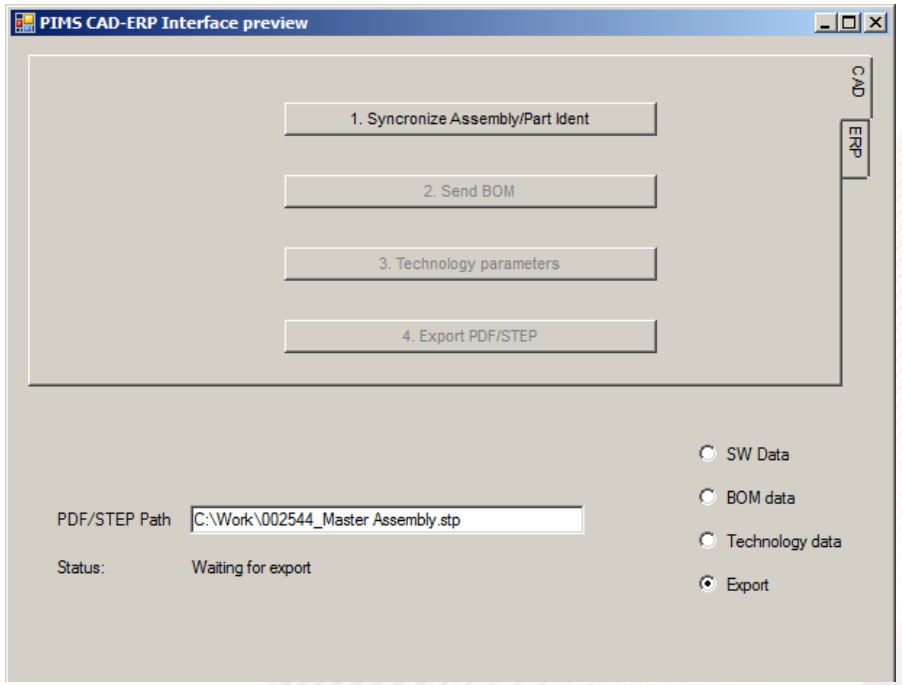

CAD – ERP interface:

6. Sending documentation to manufacturing
   - Neutral formats (STEP, PDF)
   - Archiving of all past versions