

# KONGSBERG Oil & Gas Technologies AS

How to connect K-Spice to 3<sup>rd</sup> party application



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# Integration of K-Spice to 3<sup>rd</sup> Party Applications

- Integration of K-Spice to 3<sup>rd</sup> party applications is normally done in two different ways:

## 1) Through an OPC-Server protocol

- APIS OPC Server, Matrikon OPC Server, etc
  - ref. alternative 1 in slide 4, standalone OPC-Server
- OpcDaCom (OPC-Client) to an OPC-Server in the 3<sup>rd</sup> Party Application
  - Ref. alternative 2 in slide 4, OPC-Server as part of MatLab

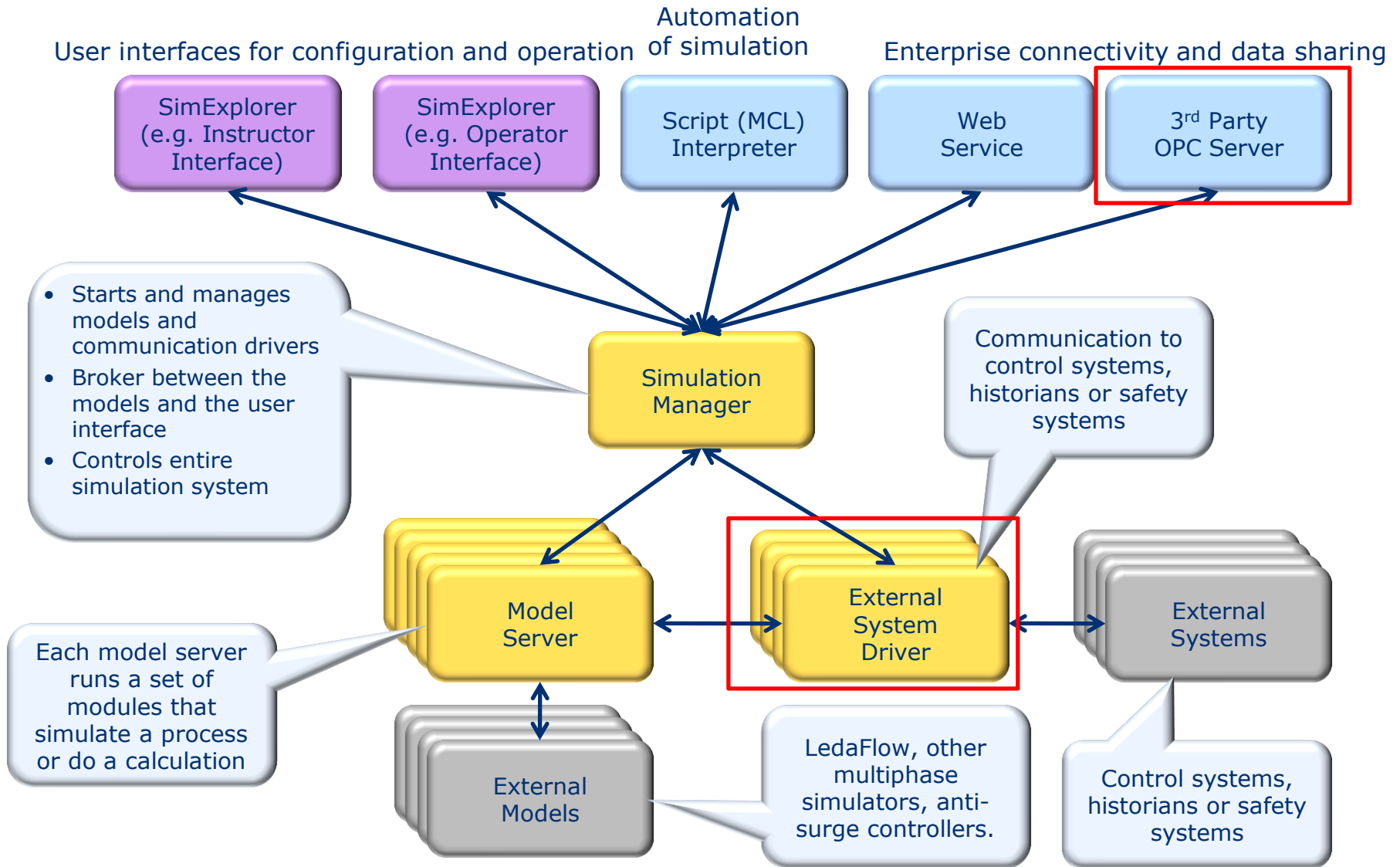
## 2) Or through a dedicated DCS links (External System Drivers), such as

- ABB xA800
- Emerson DeltaV
- Invensys SIM4ME
- Kongsberg AIM2000
- Siemens SIMIT
- etc

# Software Components

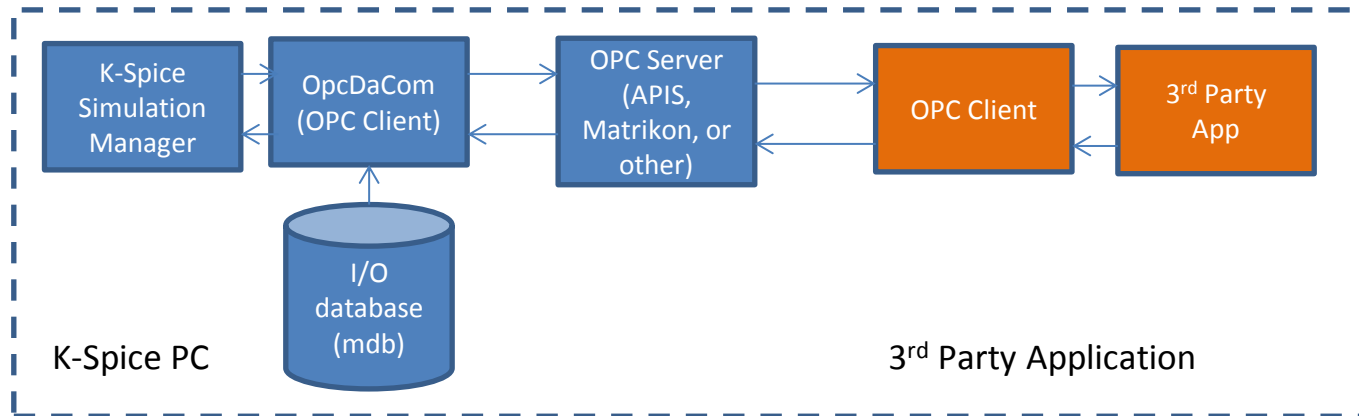


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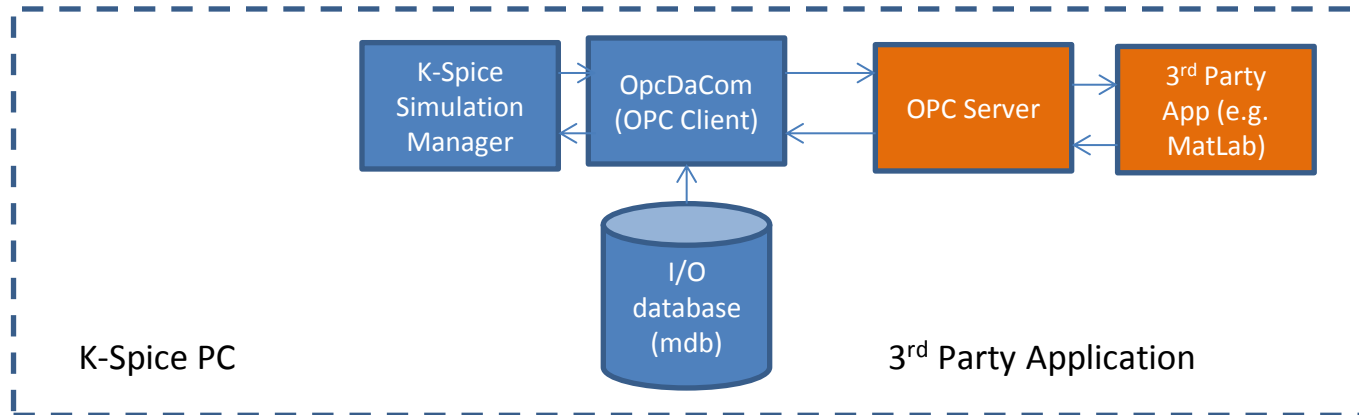


# Connect K-Spice to 3<sup>rd</sup> Party Applications via OPC-DA

## Alternative 1

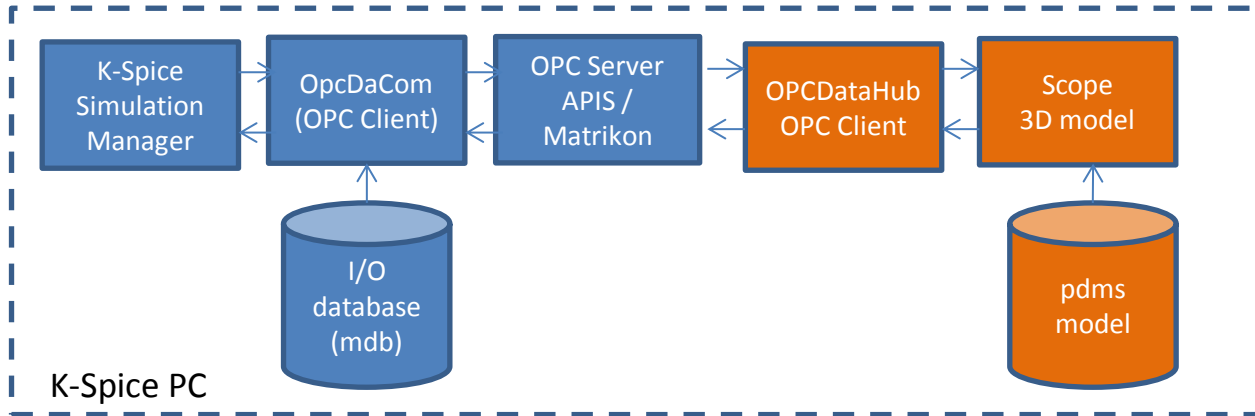


## Alternative 2

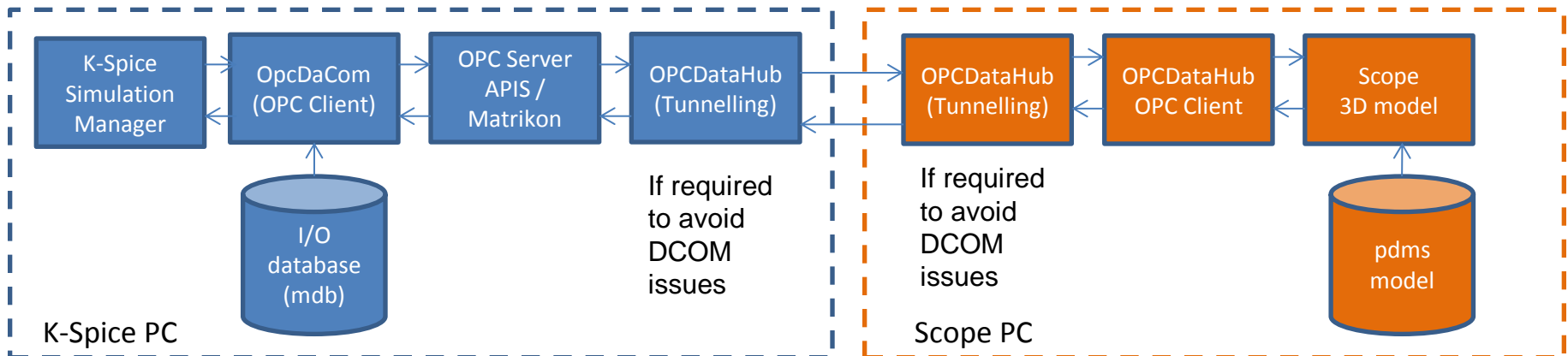


# Connect K-Spice to 3D-model via OPC-DA

## Example 1 – One PC

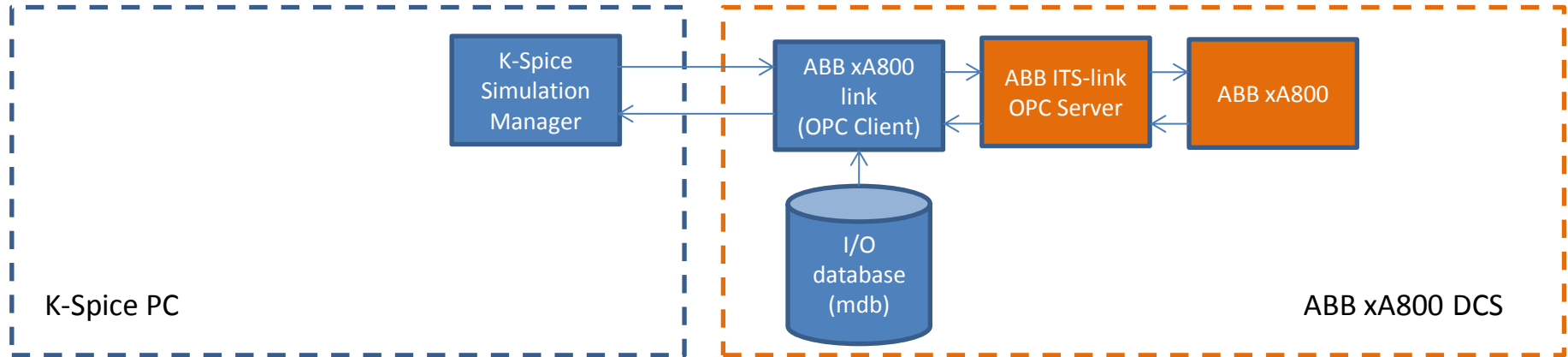


## Example 2 – Two PC's

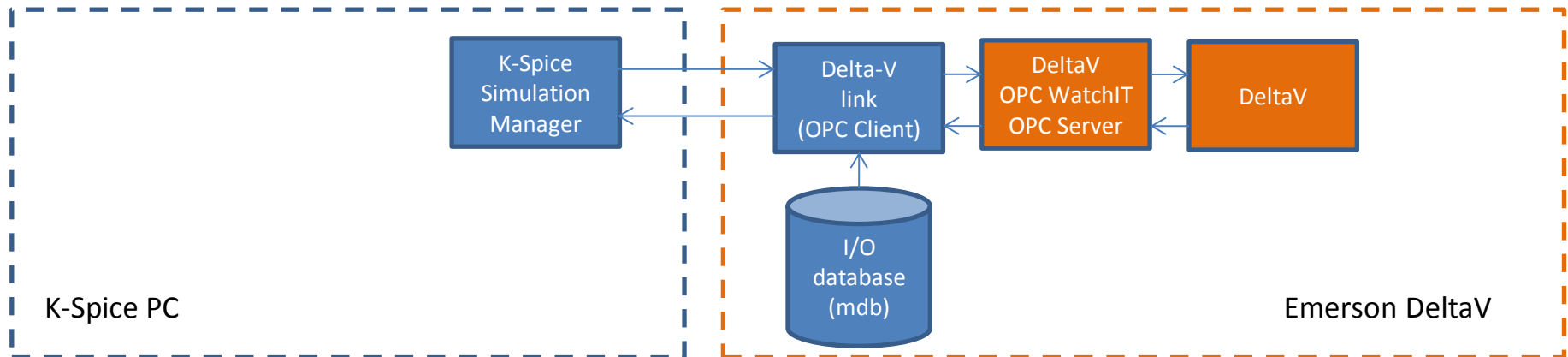


# Connect K-Spice to DCS via DCS-links

## Example 1 – K-Spice linked to ABB xA800



## Example 2 – K-Spice linked to Emerson DeltaV





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