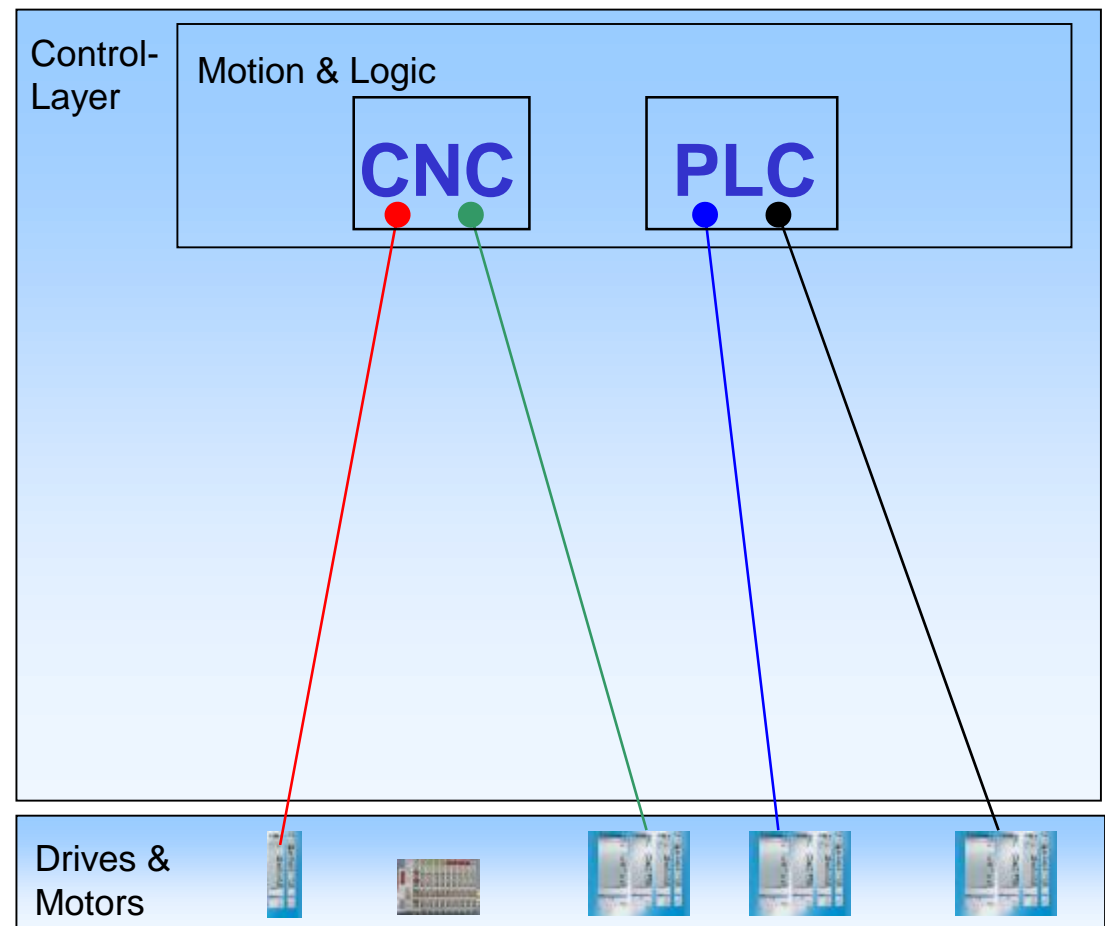


# OSADL IO-Framework - Motivation

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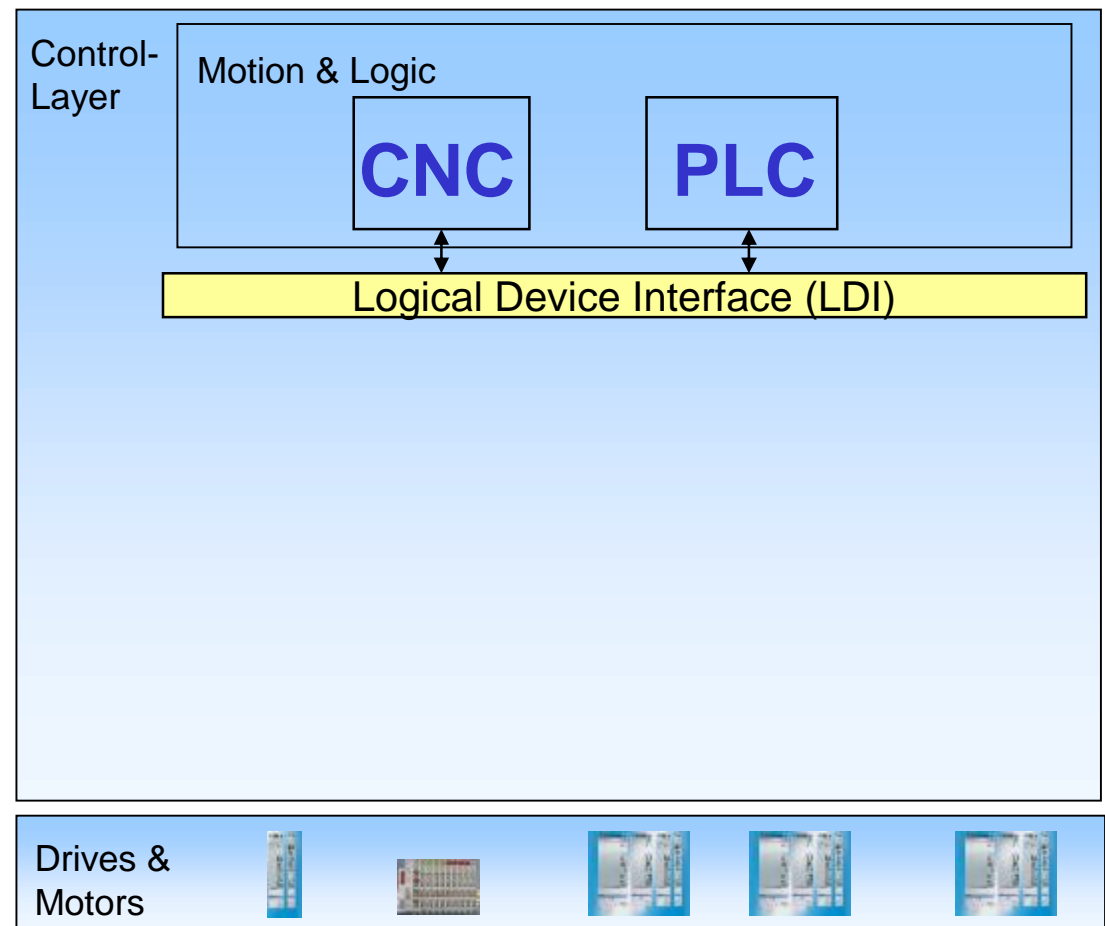
# OSADL IO-Framework - Motivation

- Control Software often implements specifics of the underlying fieldbus and drive systems.
- Integration of a new drive system or fieldbus becomes complex.
  - affects the source code of the control application
- **Prevents flexibility**



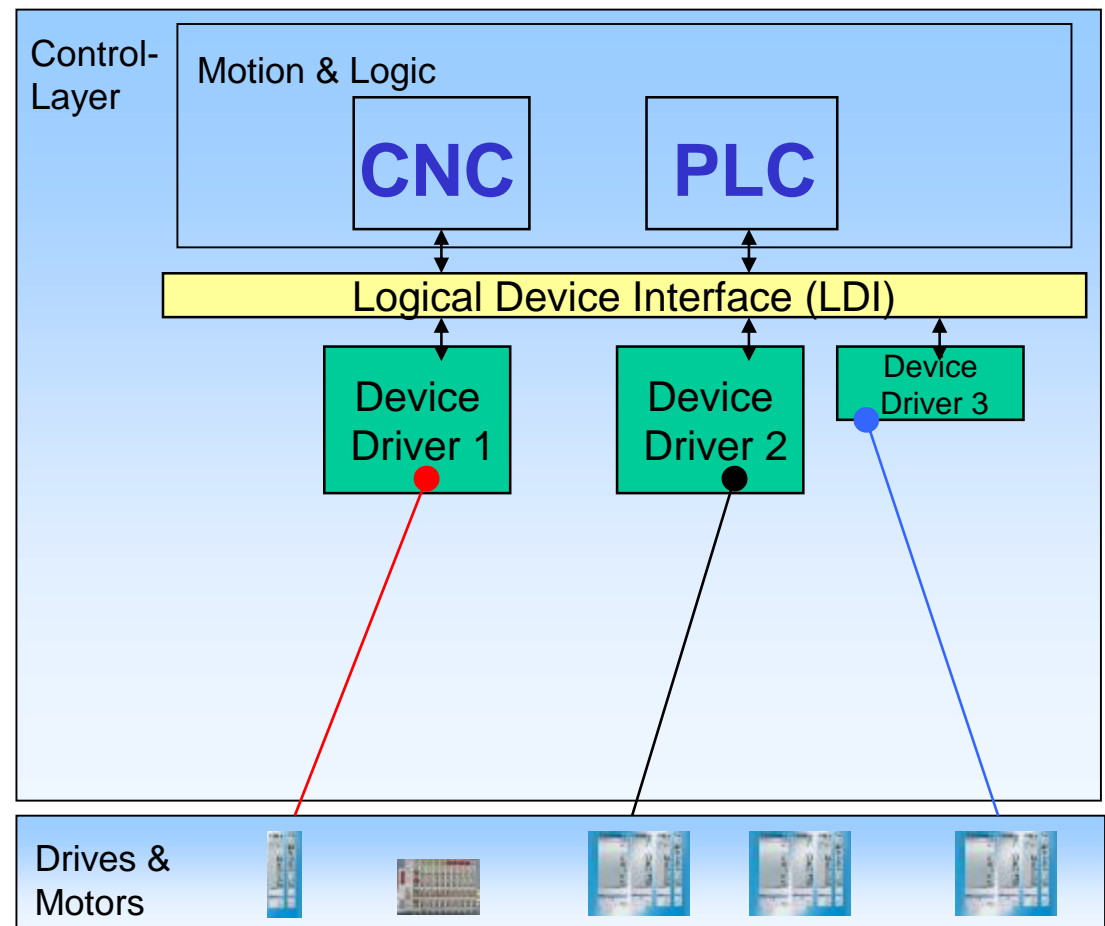
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- The „Logical Device Interface“ supports a logical view (device independent view) on fieldbus device functionality.



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- The „Logical Device Interface“ supports a logical view (device independent view) on fieldbus device functionality.
  - logical devices
- A „Device Driver“ adapts the physical device to the logical device.
- The „Fieldbus Device Driver Interface (FDDI)“ supports a fieldbus independent view on fieldbus devices.

