

**ArcCore AB** is a leading provider of state-of-art products and services for the embedded system market.

Based on a solid expert knowledge in real-time platforms, we develop and market products for the software industry enabling our customers to develop innovative solutions in a faster and more cost-efficient way.

Our focus is to provide superior solutions for embedded system development to the automotive market and other.

Our vision is to be one of the leading suppliers of integrated, high quality and efficient software products preferably based on renowned industry standards.

Everything we do is enforced by our three *core values*:

**Efficiency**  
**Commitment**  
**Expert knowledge**

**ArcCore AB** is a subsidiary of the **3Core Group**.

**ArcCore AB** is an associate member of **AUTOSAR** through 3Core.

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**ARC  
CORE**  
The future is open



**SW-C  
BUILDER**

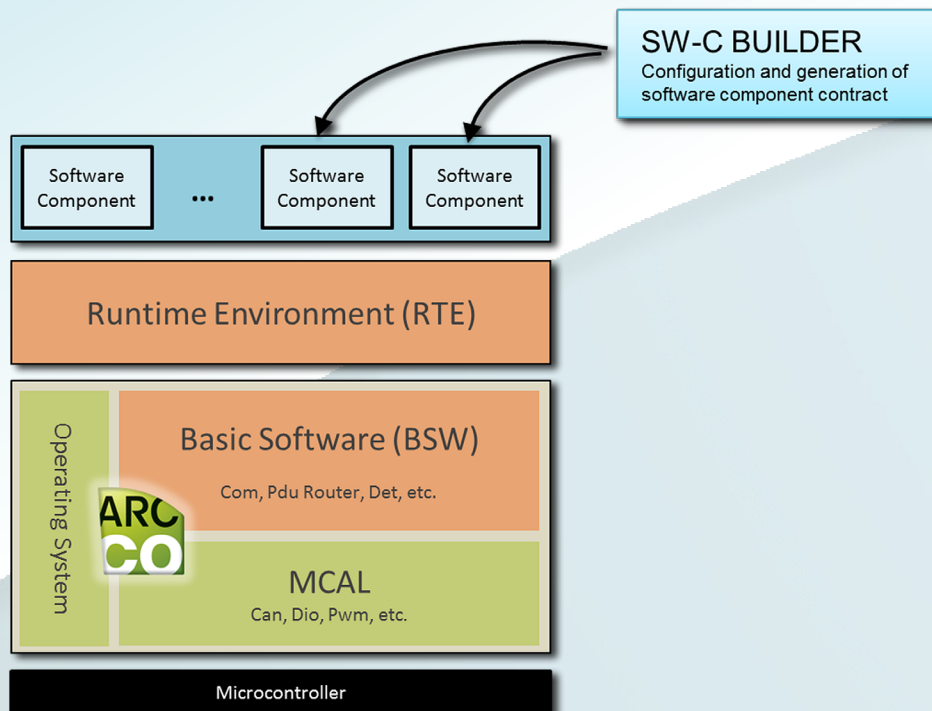
The future is open  
**ARC CORE**

The **SWC Builder** is a tool for creating and editing AUTOSAR Software Components (SWCs). The tool helps the developer in the process of creating Software Components by constraining to valid choices.

SWC Builder also has validation to help discover missing elements and incorrect configurations.

Software components and their related objects can be put in packages to keep them organized. Drag and drop can be used to move objects from packages. Autosar objects can even be created in separate files. This way, the software components can refer to interfaces in one file, and components in another.

Autosar objects can also be organized in different Eclipse projects and references can be created between them. This makes it easier to work in teams with multiple arxml files in different projects.



Software components can easily be created with a predefined kit. By creating a software component kit you get some objects needed to get started.

**SWC Builder** only lets you make choices that are valid. For example, when configuring an operation-invoked event, you can only refer to ports that are provide ports and are typed with a client/server interface. This reduces the amount of choices and also the complexity of configuring an Autosar system.

As all ArcCore products, the **SWC Builder** is based on the principle of openness. This means that the **SWC Builder** provides opportunities to add customer specific tools for streamlining the development process to the user's needs.

The use of AUTOSAR standard XML-format and extension points in Eclipse provides extensive possibilities for the users to integrate their own tools to the Arctic Studio and the **SWC Builder**.

The **SWC Builder** is provided as a professional plug-in to the Arctic Studio IDE. New versions of the **SWC Builder** are made immediately available through the update service provided by ArcCore.

### **Key features:**

- Smart choices when creating AUTOSAR objects
- Validation
- Drag and drop interface
- Refer to objects in other files
- Predefined objects
- Filtering