



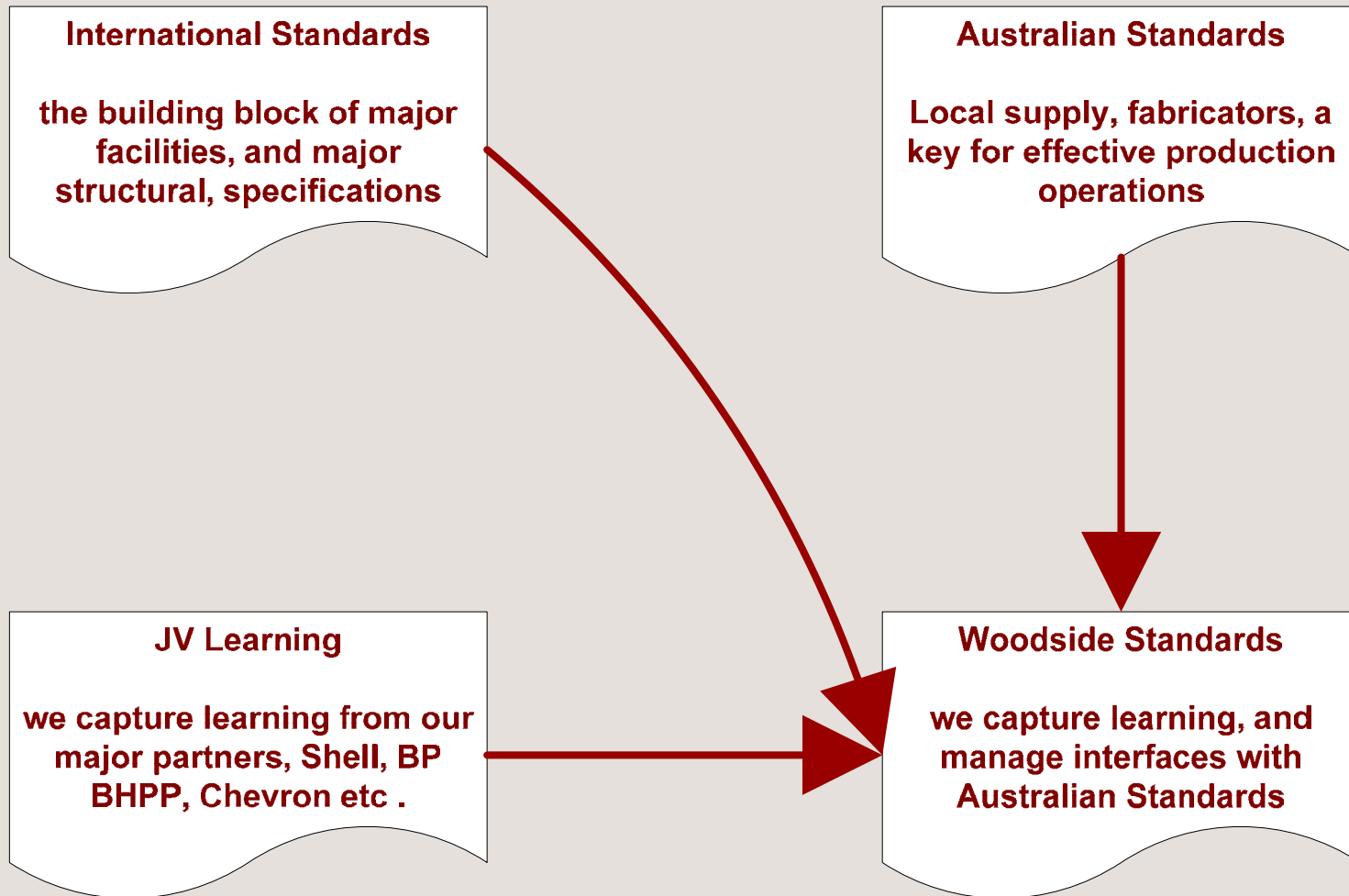
# Woodside & International Standards

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# Standards: our main building blocks - Upstream



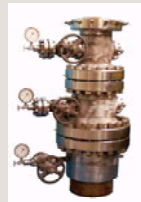
# Standards: how we use the building blocks

## Criteria affecting standard selection

- Facility location
- Longevity
- Local content
- Technology provider
- Design contract strategy



**Woodside Standard  
referencing Australian  
Standard**

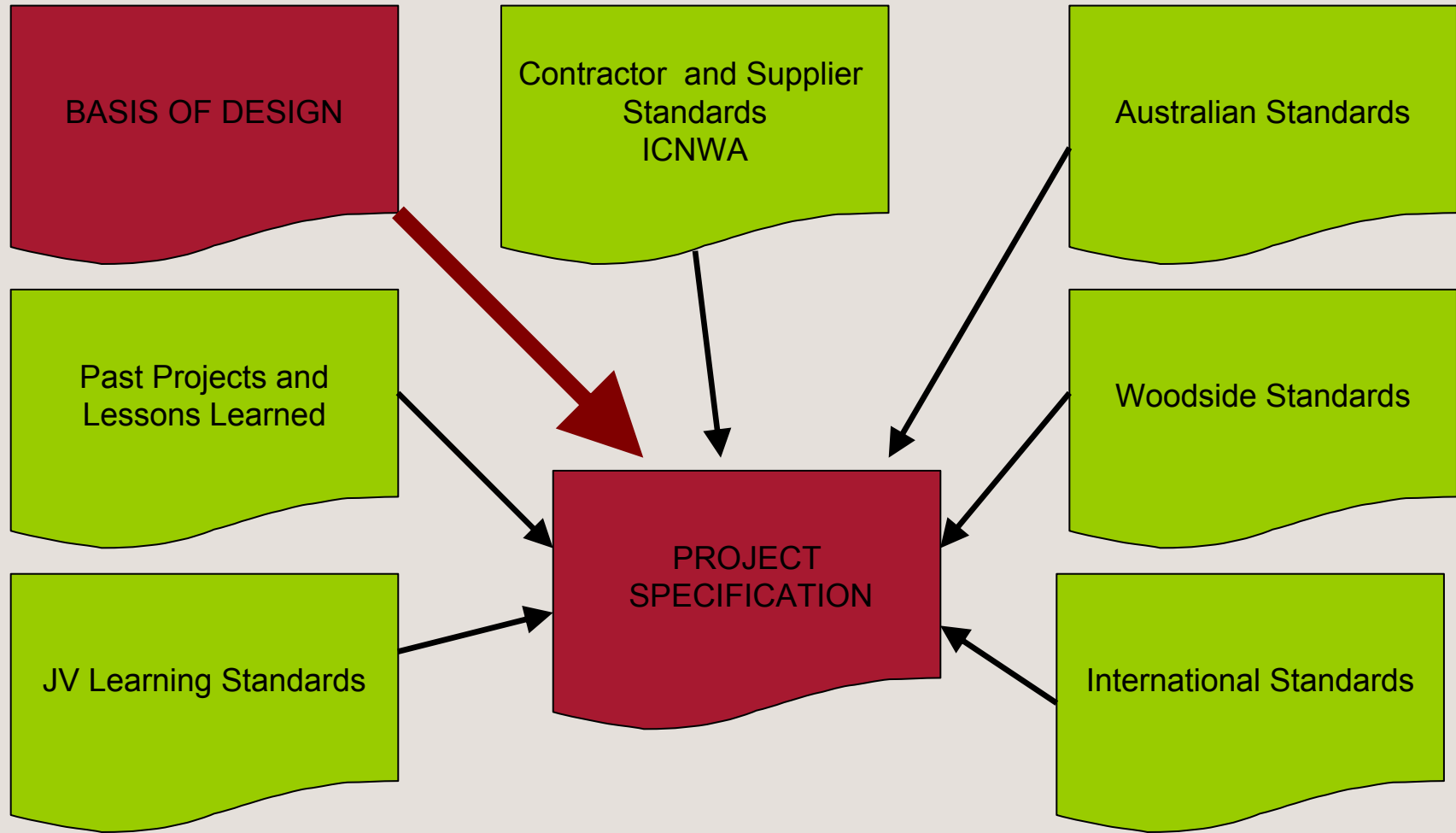


**Woodside Standard  
referencing International  
Standard**

**International Standard alone**

**BOD  
a tailored facility standard to  
meet business requirements**

# Standards: our main building blocks - Downstream





# Woodside Standards: Ongoing Challenges

The quality of Woodside learning in Woodside Standards, and its applicability across full facility range.

Laying to rest the red herring between company and project, “Woodside standards will make project uneconomic”.

To maintain a strong internal challenge.

Achieving quality feedback from projects.

Managing changes to old facilities as their base standards are revised and changed.

Maintaining a consistent approach across similar facilities.

Ensuring that Woodside learning is applicable outside the Australian region.

Ensuring the right operator overlay as international standards do not fully define our in service integrity requirements.



## Standards: what we are working on

Woodside technical specialists are encouraged to sit on Australian and International Standards committees.

Strengthening internal standard update/review process, including feedback mechanisms for projects.

Improving engineers ability to comment on Woodside Standards.

Adoption of “Common Standards, particularly in Infrastructure to capitalise on “custom and practise”



## ISO Standards: issues we see

Standardization may help on an international cost basis particularly at the initial construction phase, however if it can come at a cost of precluding local suppliers.

Relationships and rules between major standards bodies can delay pragmatic industry led movement towards aligning standards and lowering cost.

Major international and national standard delivery slips, this encourages additional company effort to fill the gaps, thus undermining international standardization.