

A Standard European Tank? Technology Transfer and the Quest since 1945 for a Joint International Main Battle Tank within Europe and NATO

The Mark VIII

Anglo-American heavy tank, 1918

As yet, the only example of successful international collaboration in new tank design.



Benefits of Collaboration

(Theoretical)



Political

- Strengthens political ties with project partners.
- Affirms commitment to alliance.



Military

 Improved rationalisation, standardisation and interoperability, leading to better integration and more efficient logistics.



Economic

- Lower development and production costs.
- Economies of scale for unit cost.



Industrial

- Technology transfer leading to cross-pollination of expertise.
- //america.aljazeera.com/multimedia/ Shared production.



1957 'Standard-Panzer'

Franco-German project initiated by the FINABEL committee to produce a common tank design for Europe.

Failed due to a difference of opinion in design philosophy married to rivalry over potential future exports.

1963 MBT-70/KPz 70

US-German project initiated by US SecDef, McNamara.

Failed due to differing design philosophy and excessive use of untested technology which led to cost and schedule over-runs.



1971 Future Main Battle Tank (FMBT)/KPz 3

Anglo-German project initiated by UK SecDef, Lord Carrington.

Failed due to differing design philosophy plus disagreement over main gun, leading to schedule over-runs.

1977 Tank 90/'Napoleon'

Franco-German project initiated by French *Ministère de la Défense.*

Failed due to unequal technical experience, design philosophies plus conflicts over potential exports.



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Obstacles to Collaboration

(Potential)



Different National Design Philosophies

- Mobility versus protection.
- How should tank be armed?



Unequal Partnership

- Invitation to invest in project but little opportunity to influence the final design.



Too Equal a Partnership

- Competition for dominance in key project areas.
- Image https://www.kimballstock.com/pix/WLD/13/ National expectation.



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Different Timescales and Priority

- Immediate In Service Date rather than future replacement.
- Sole option or one of many?

Implications for the Future

- Main battle tanks remain a core weapon in modern armies.
- National design philosophies within NATO tank-building countries are gradually converging.
- Modern MBTs are increasingly sophisiticated and expensive.

