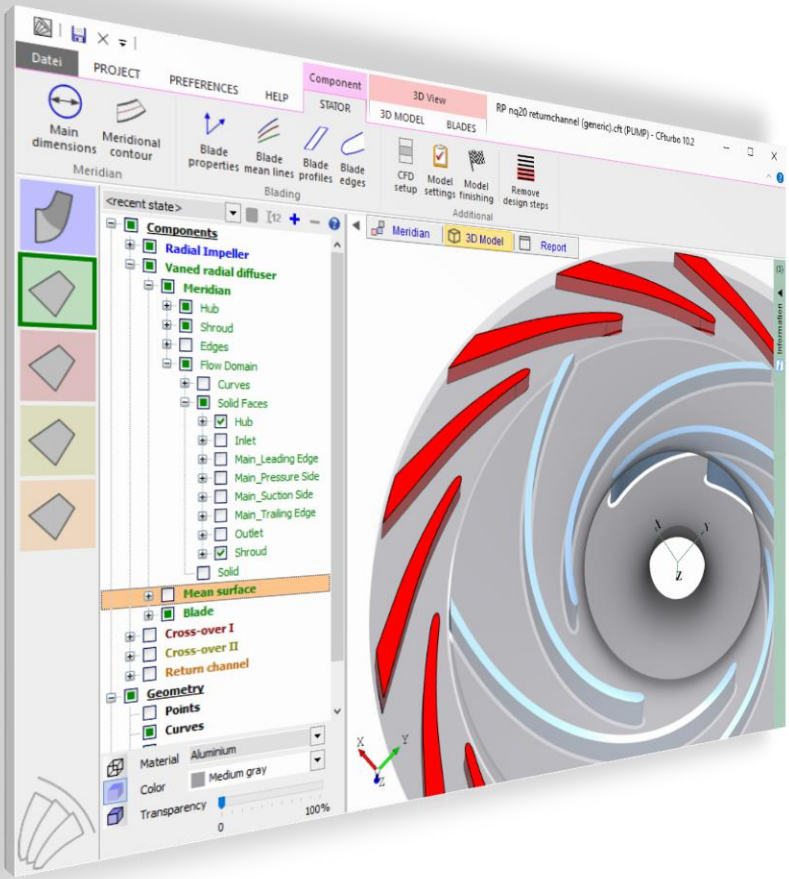

Stator design by **CFturbo®**

8 steps to design a stator

CFturbo®

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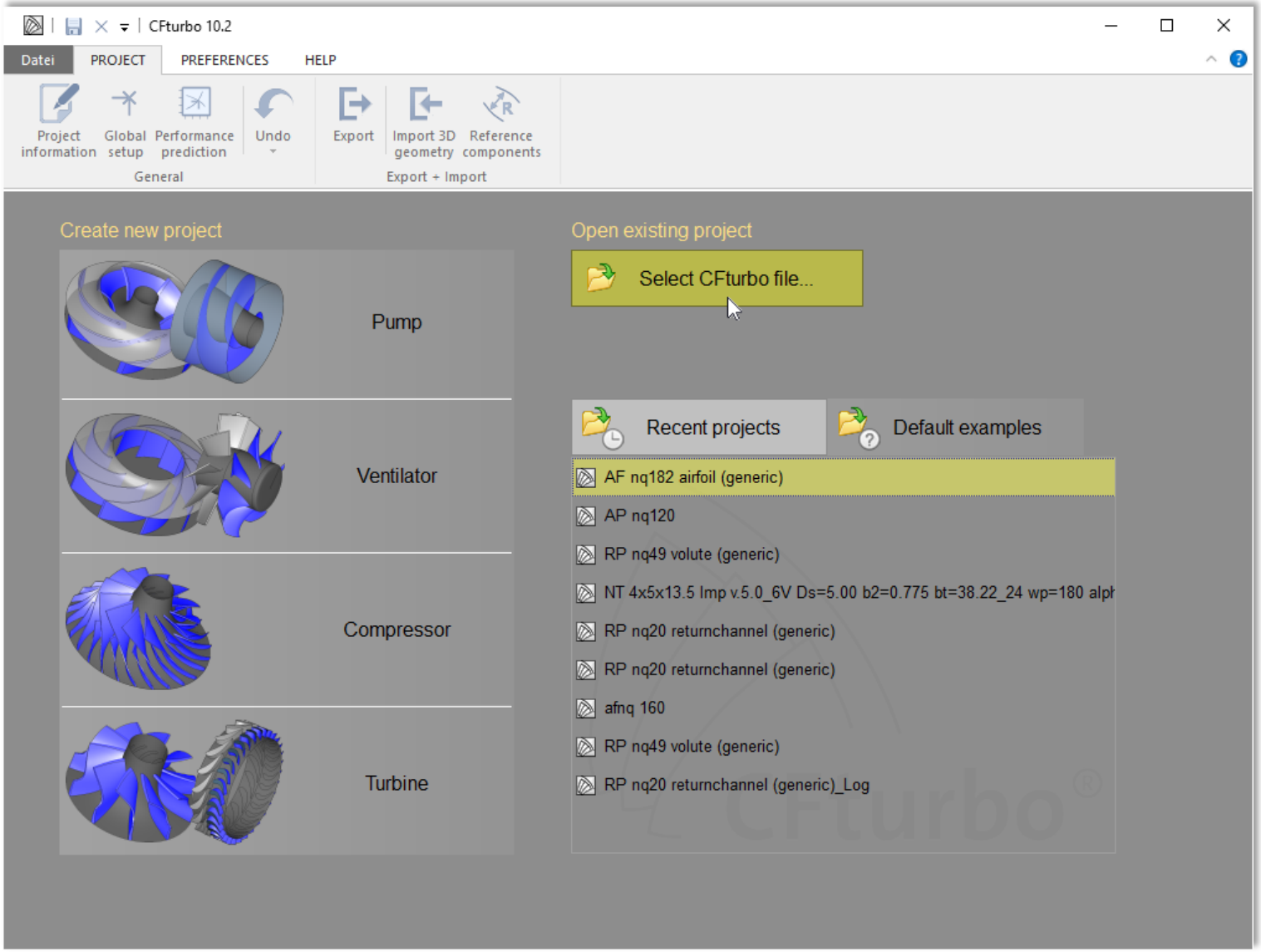
Dresden/Munich, Germany
www.cfturbo.com

1 Load impeller

Select impeller CFT-file (or define inlet values in Global Setup)



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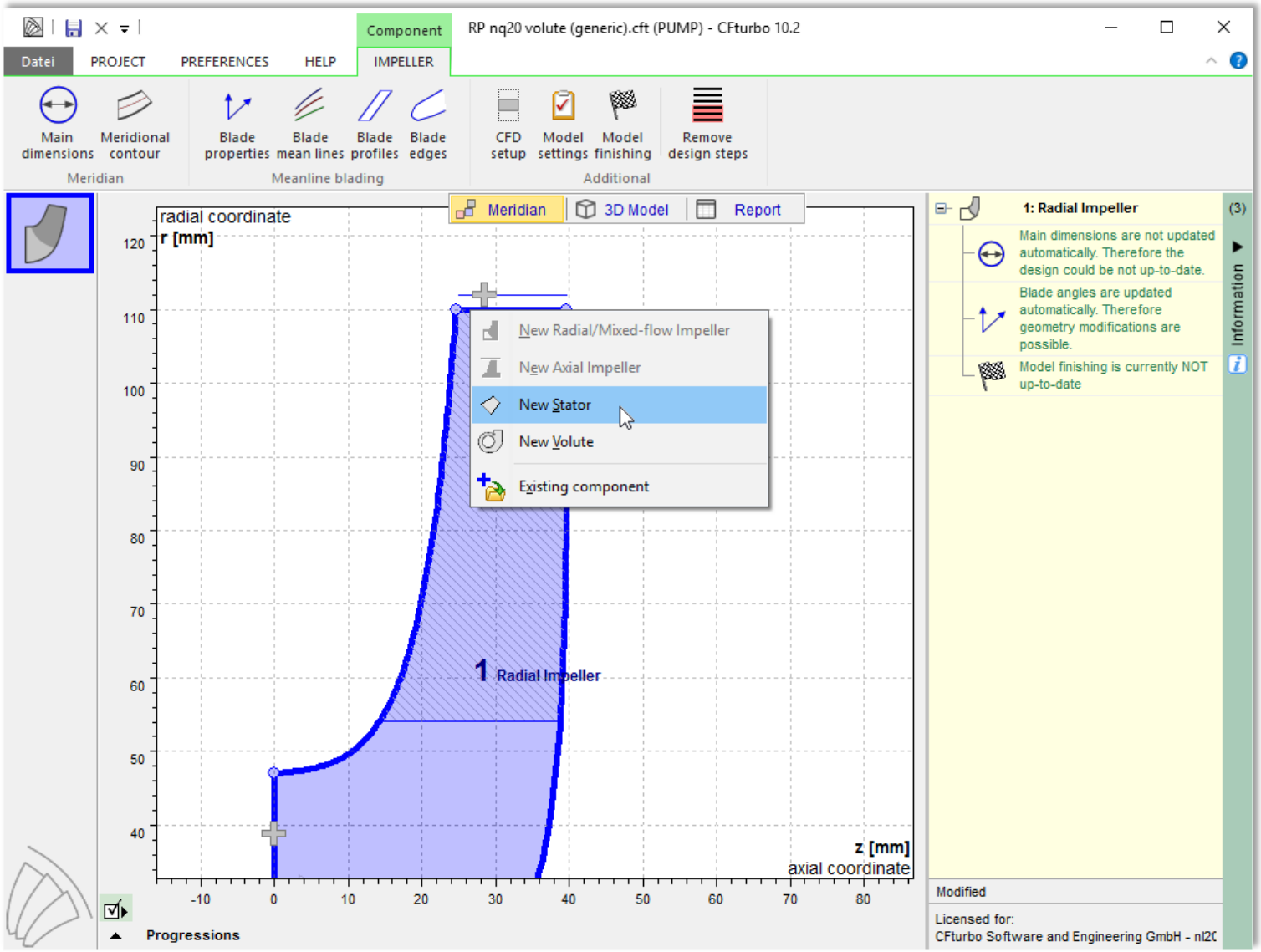
❷ Add stator

Select New Stator at impeller outlet



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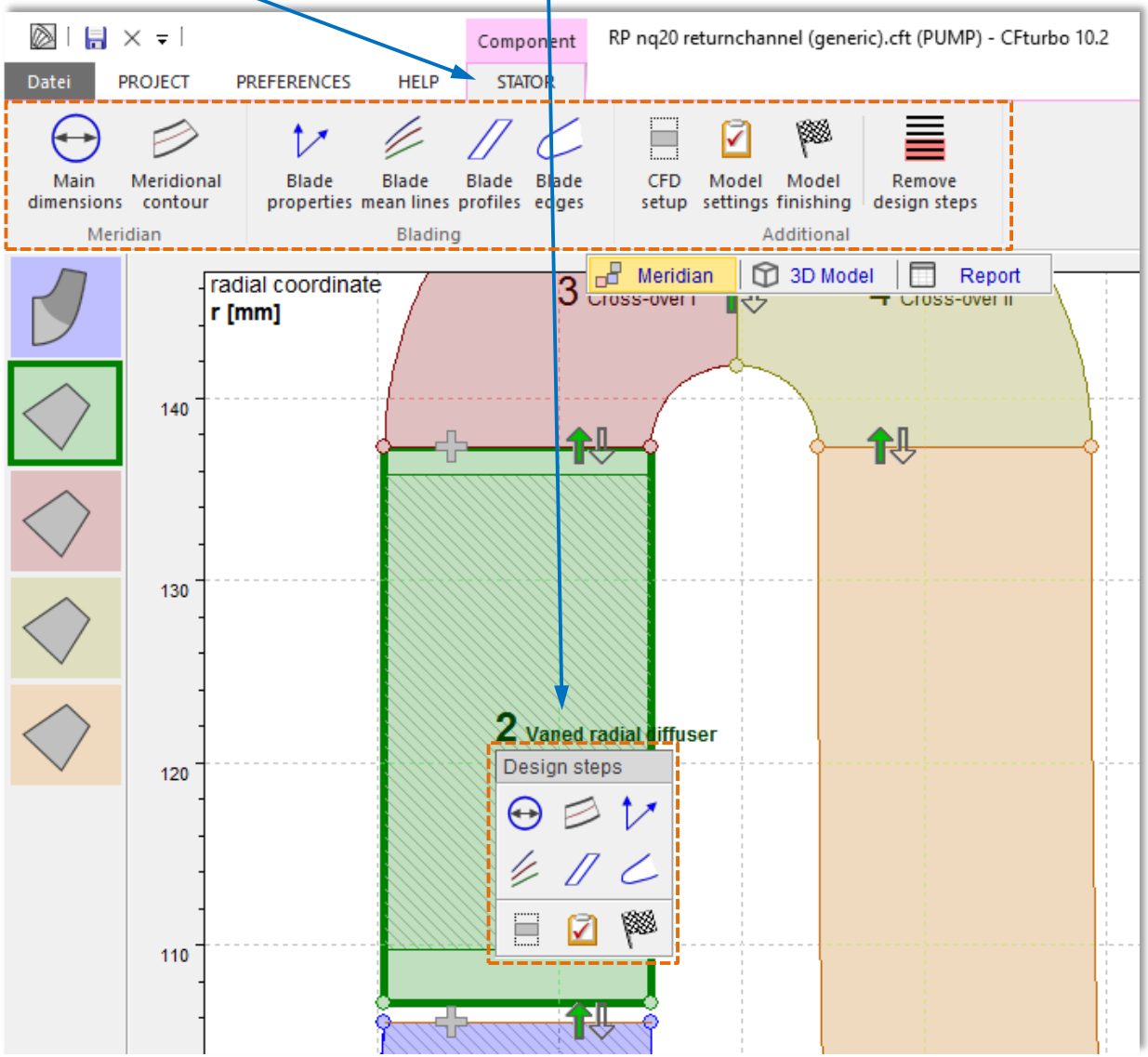
How to access the single design steps?

Use Stator menu or components toolbar inside the Meridian shape



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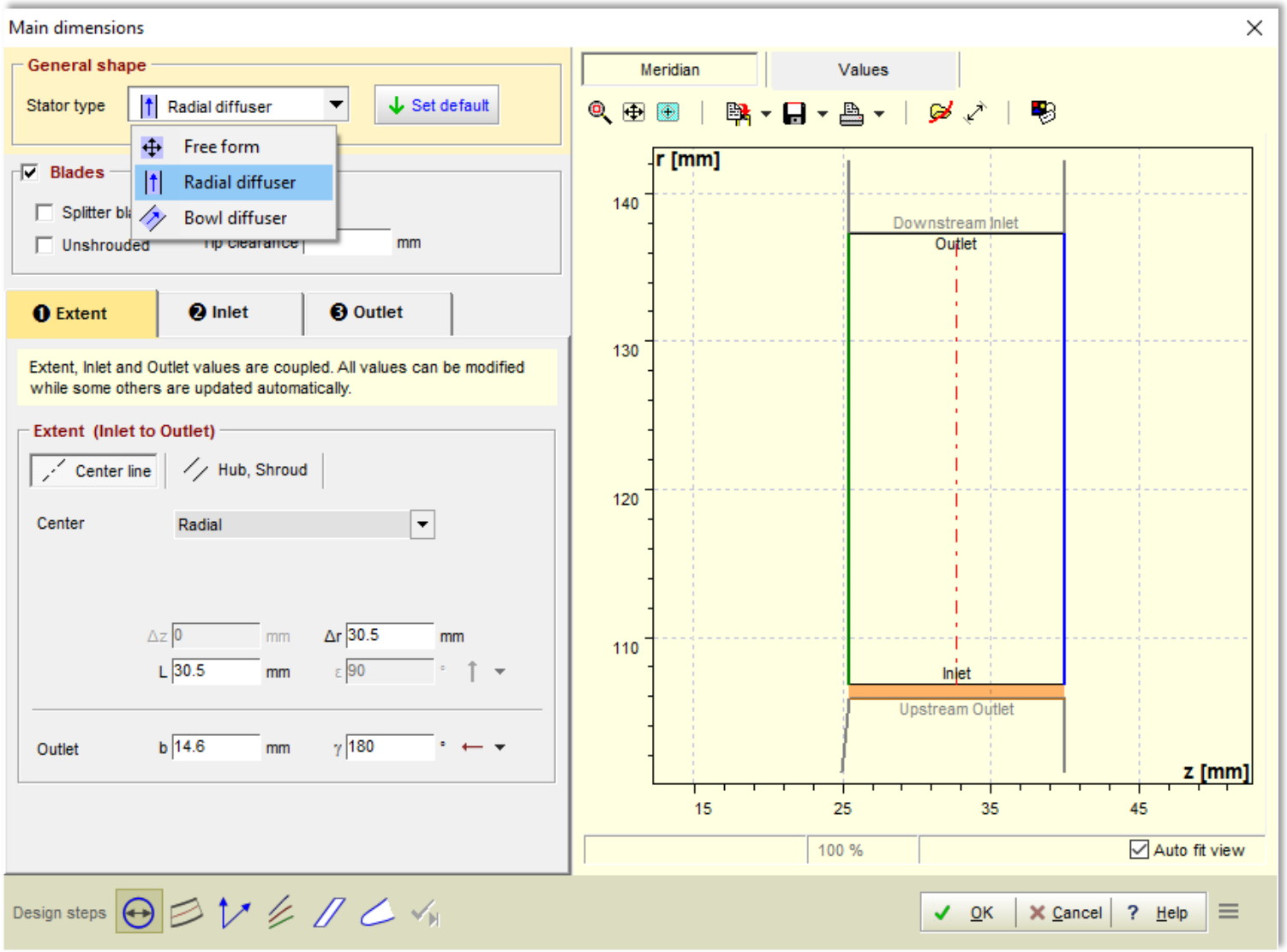
❸ Main dimensions

a) Stator type and Extent



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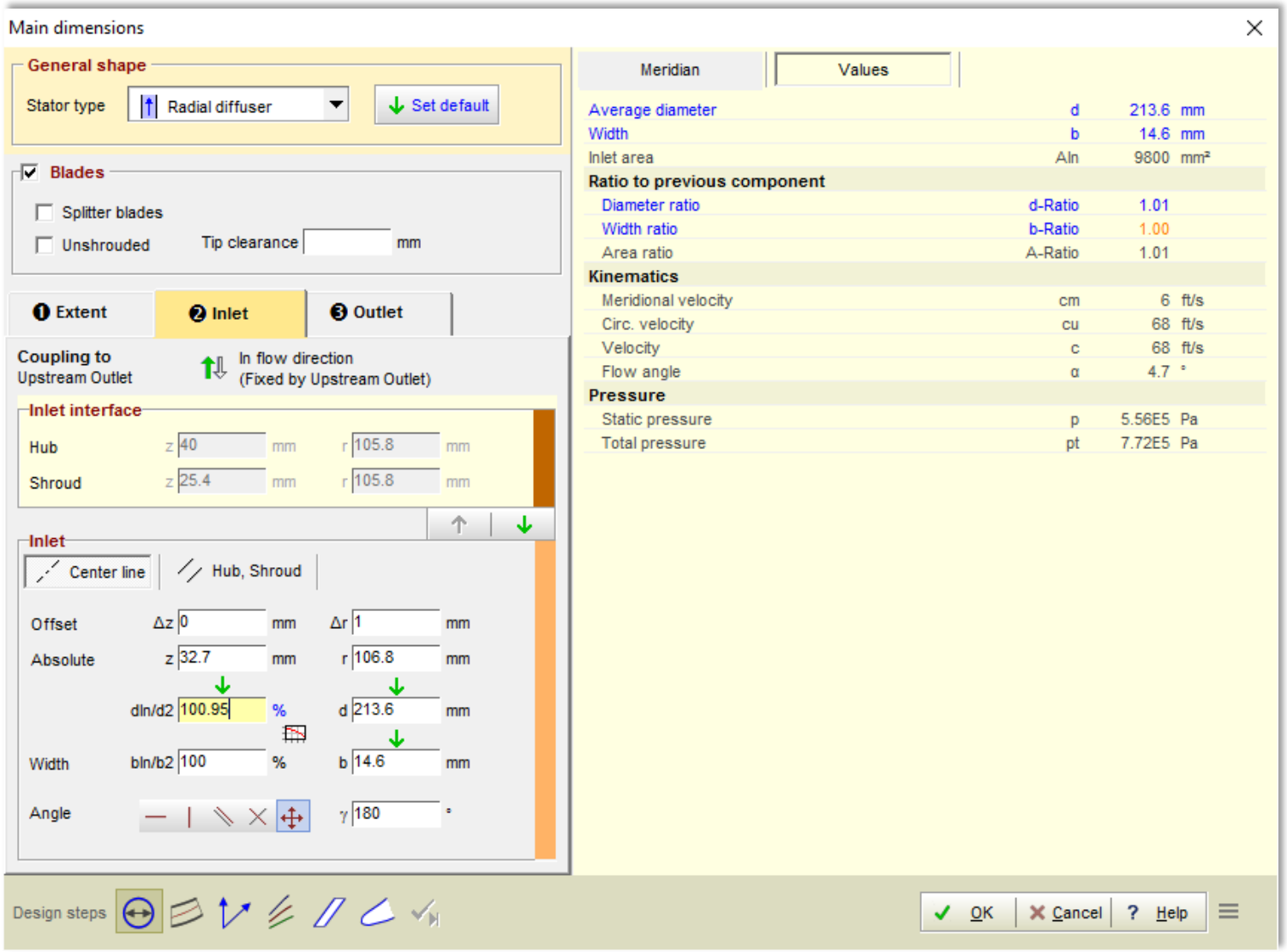
❸ Main dimensions

b) Inlet/ Outlet definition



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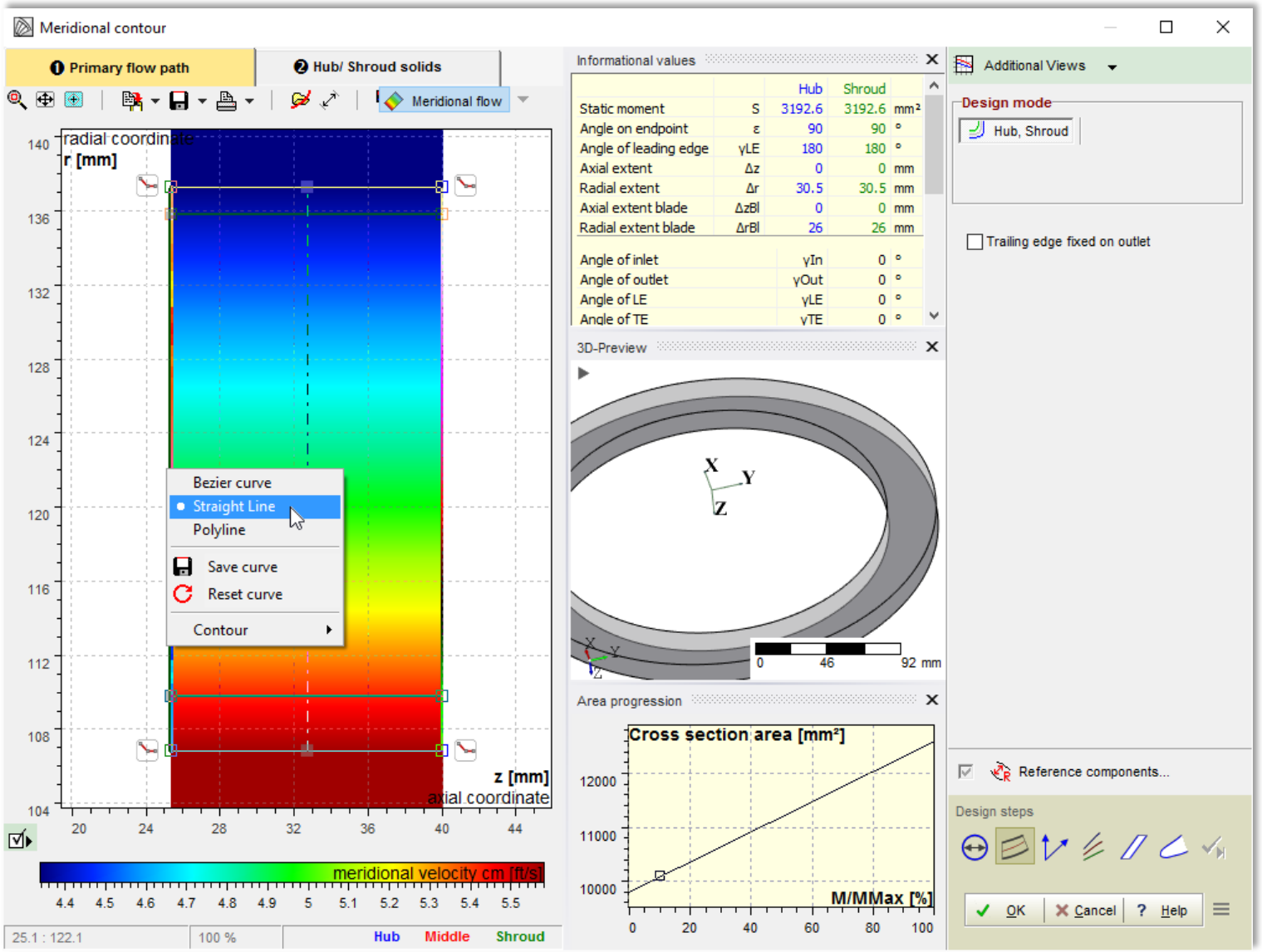
4 Meridional contour

Design hub, shroud, leading & trailing edge



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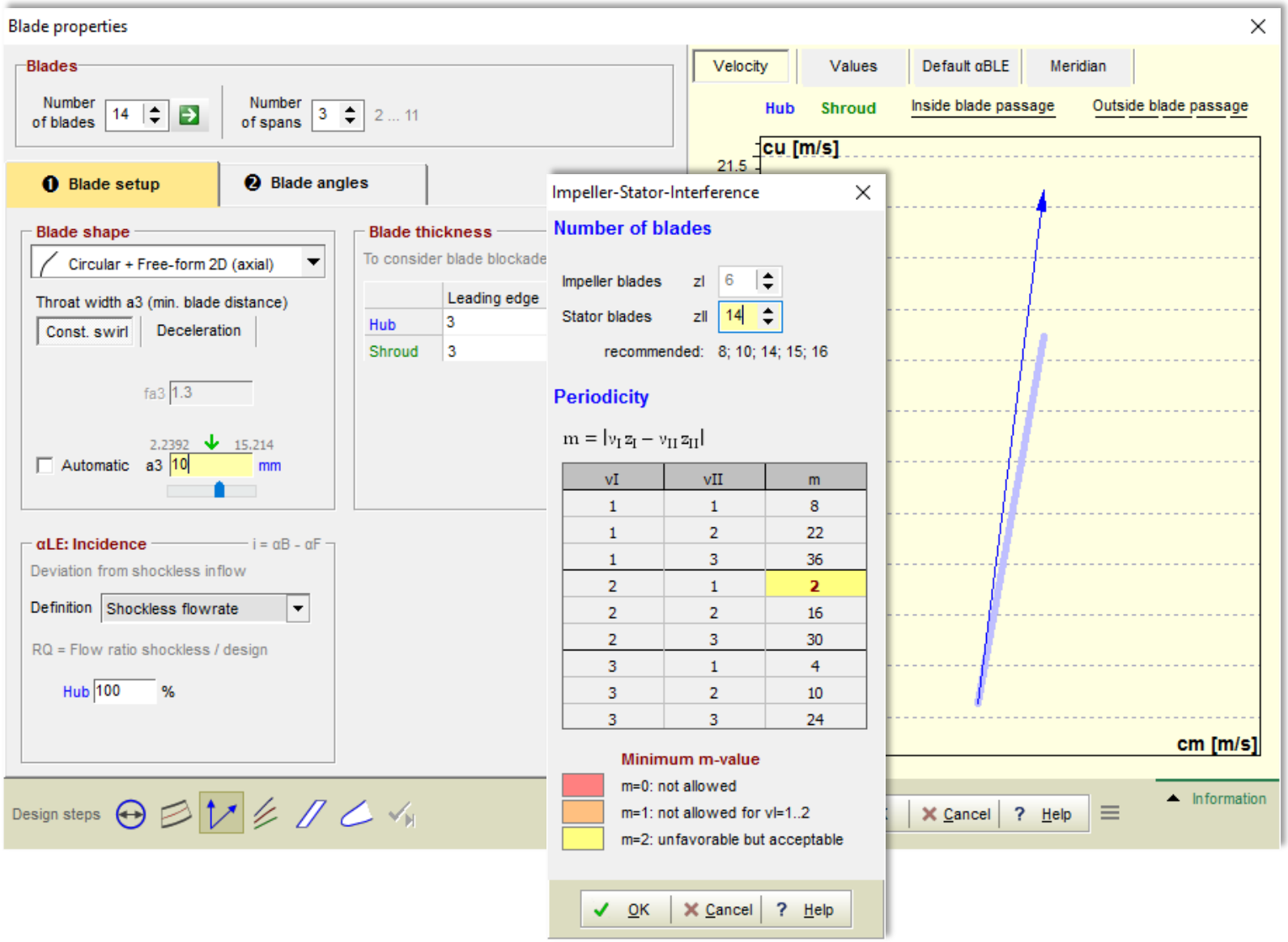
5 Blade properties

a) Blade setup



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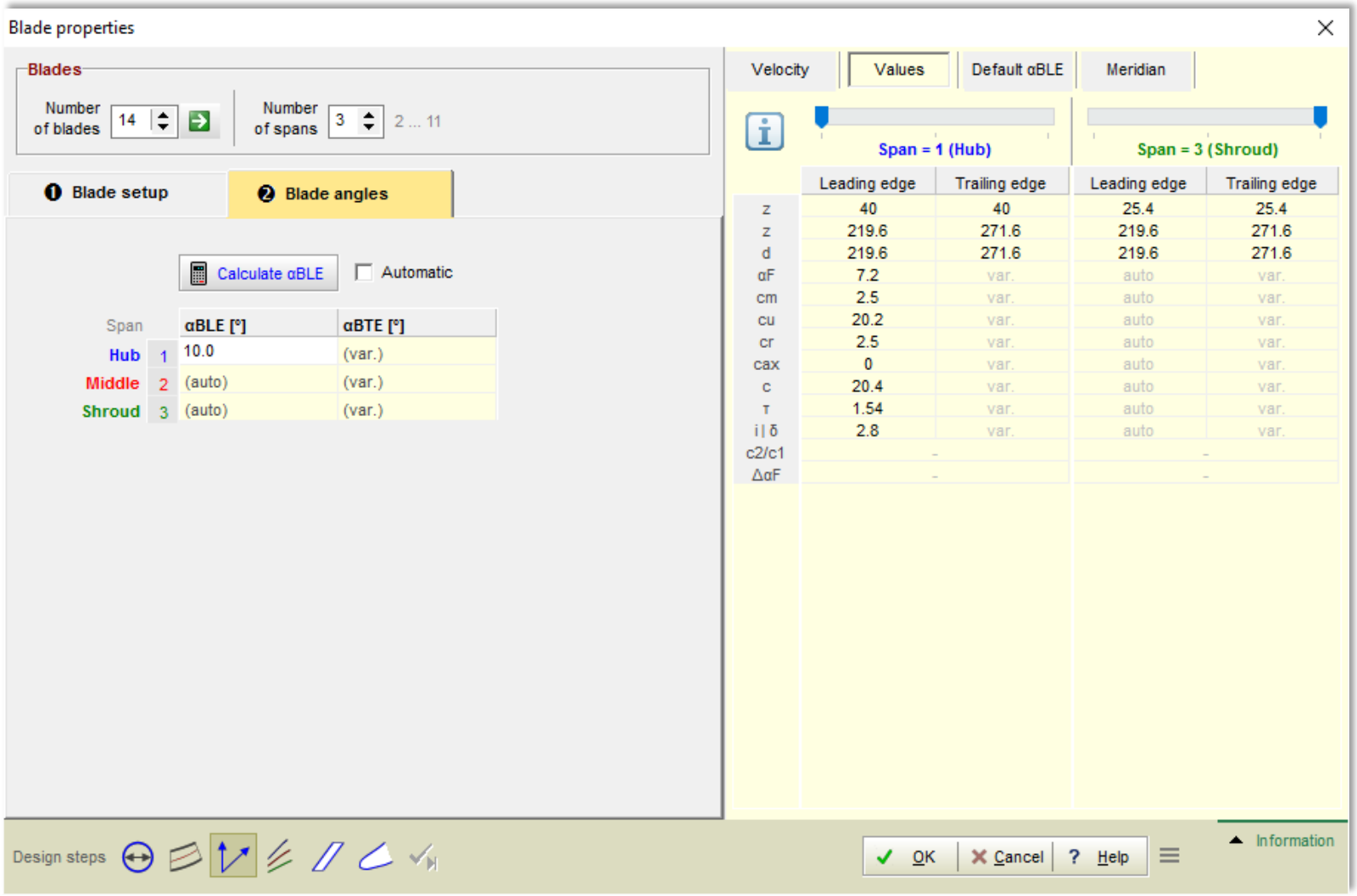
5 Blade properties

b) Blade angles, velocity triangles



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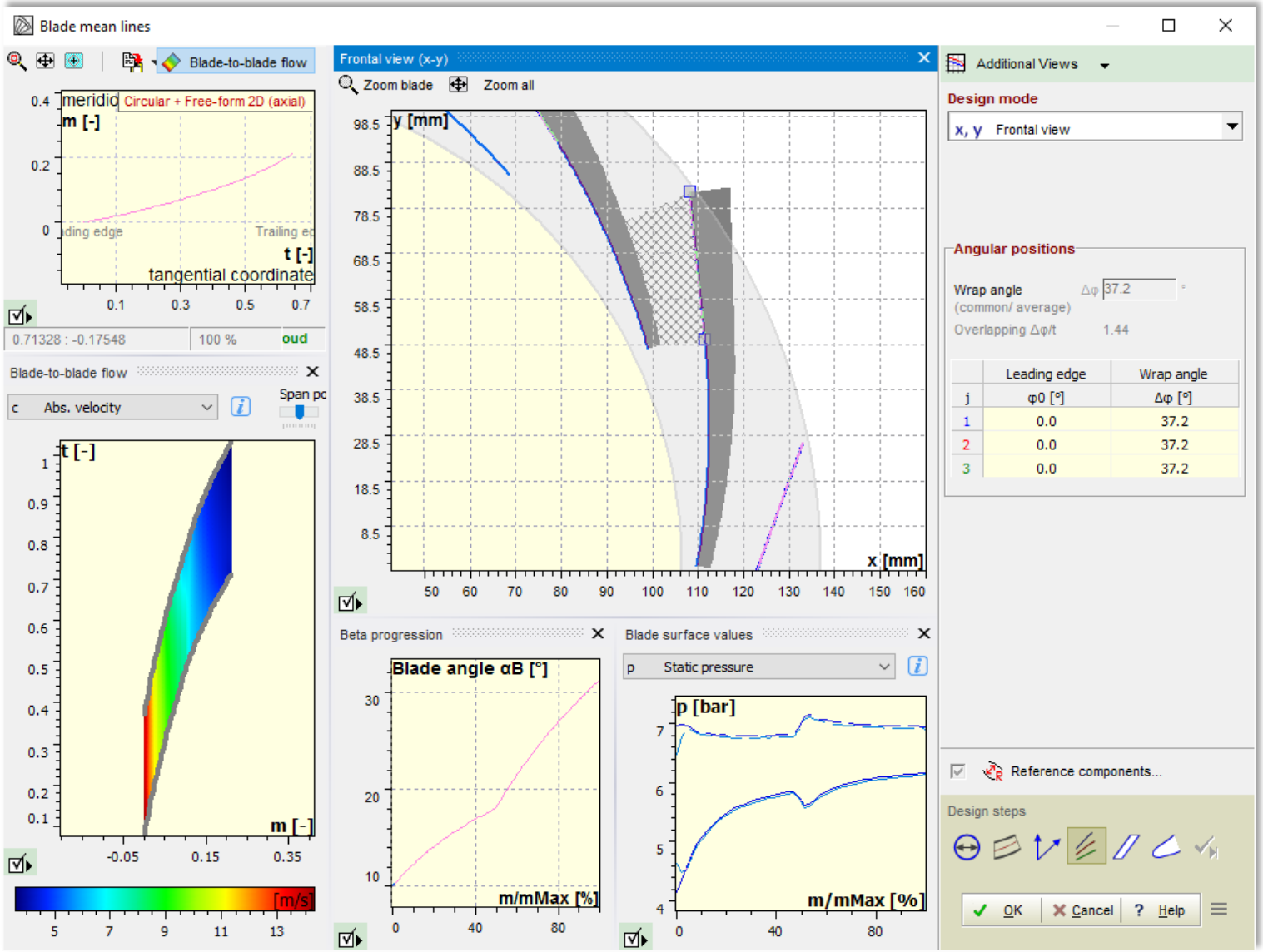
6 Blade mean lines

Mean line design, check values and progressions



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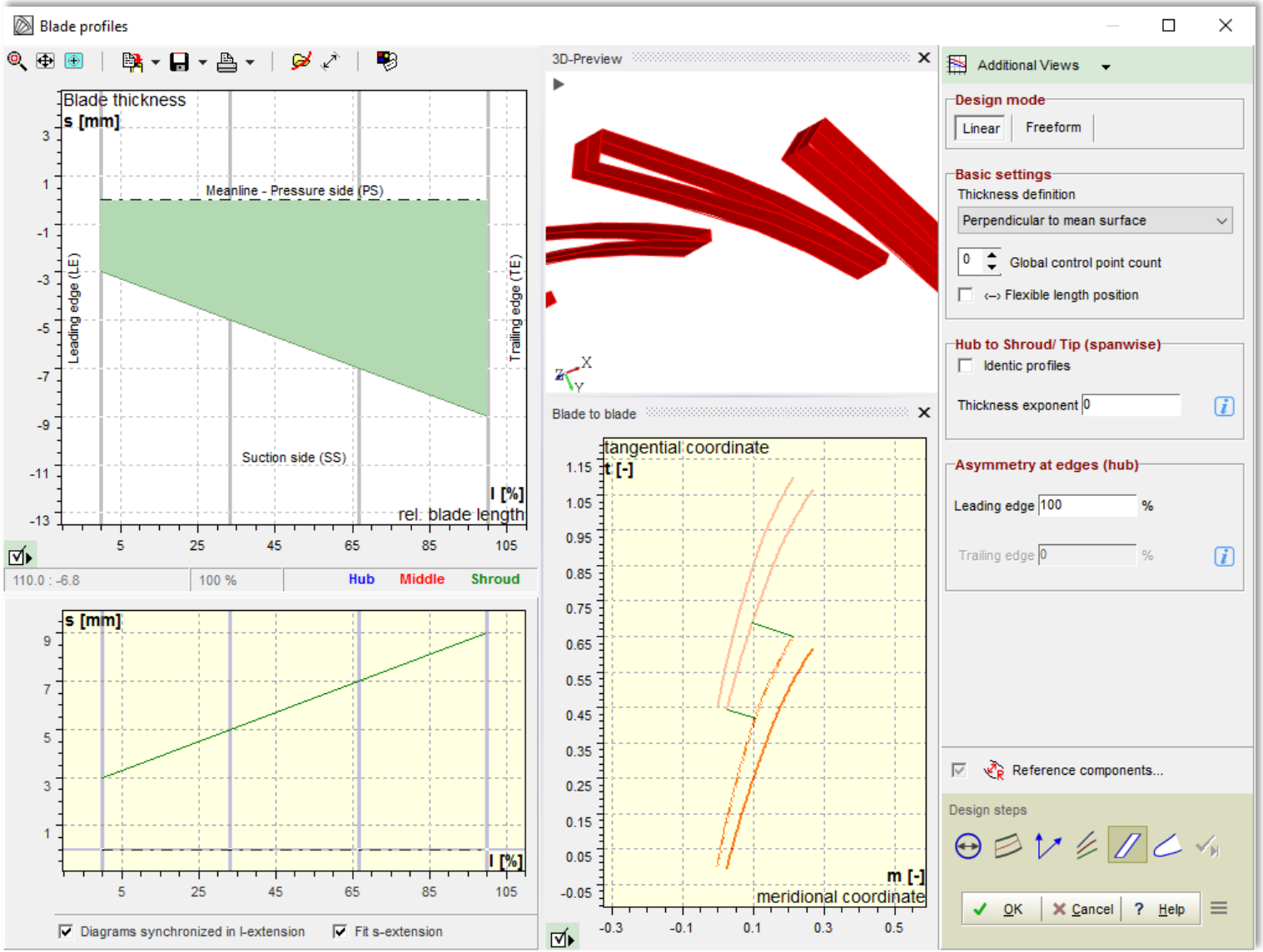
7 Blade profiles

Thickness distribution



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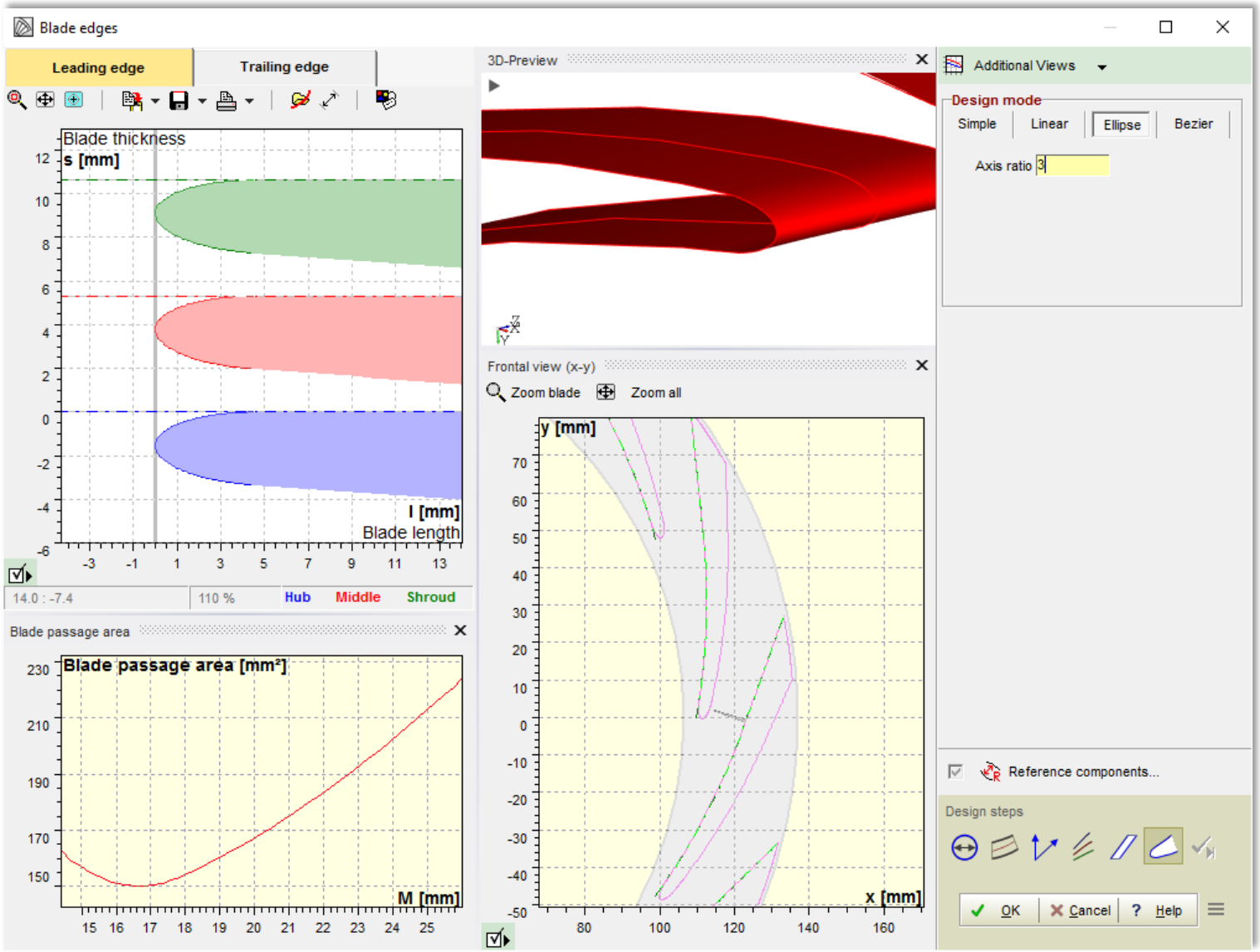
8 Blade edges

Round/ trim leading & trailing edge



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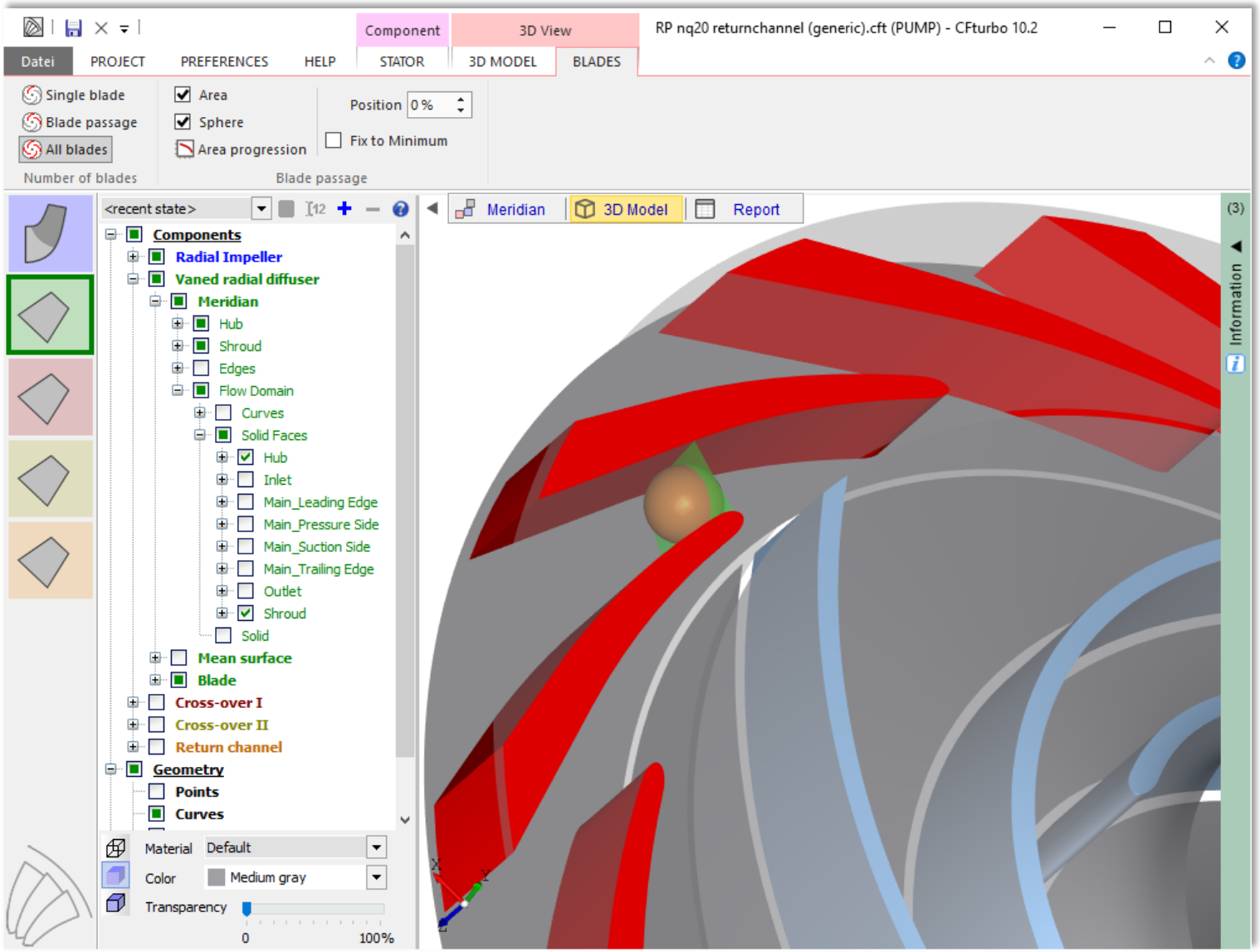
3D CAD model

Surface and solid modeling



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