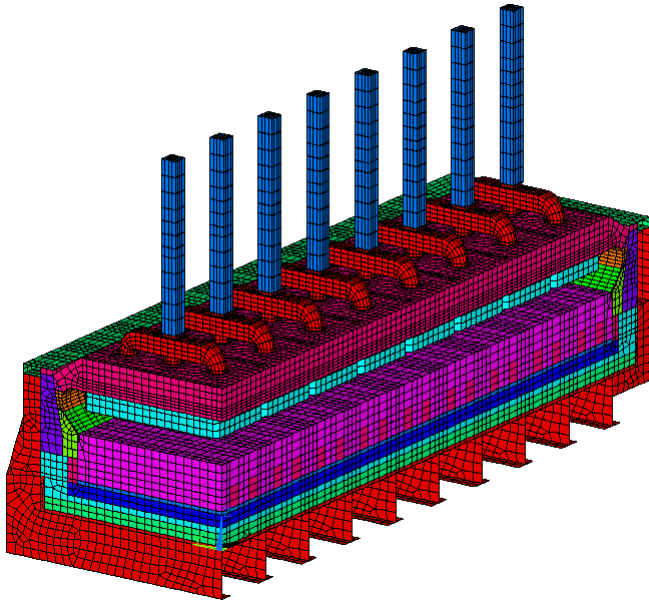


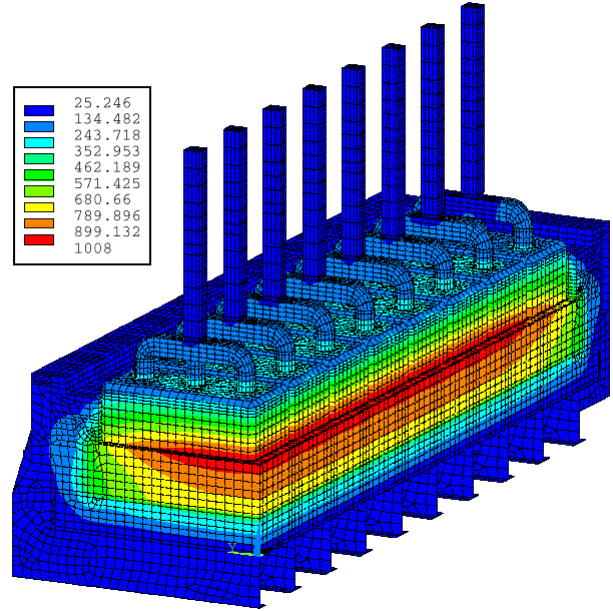
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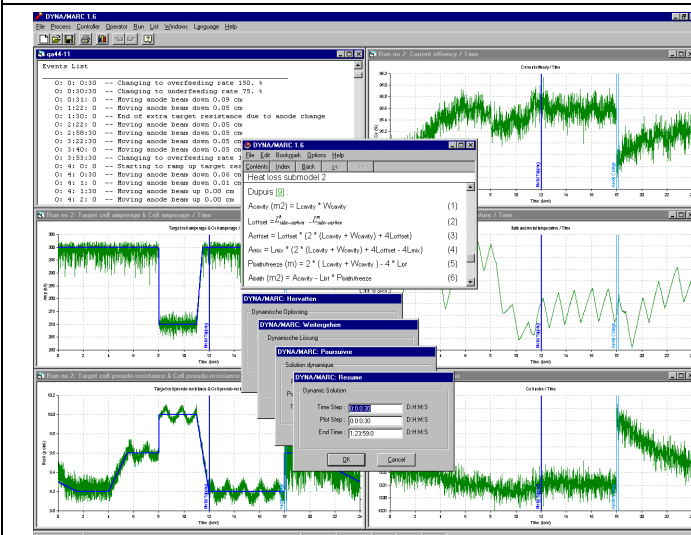
Specialized in Numerical Simulation applications
related to the Hall-Héroult process



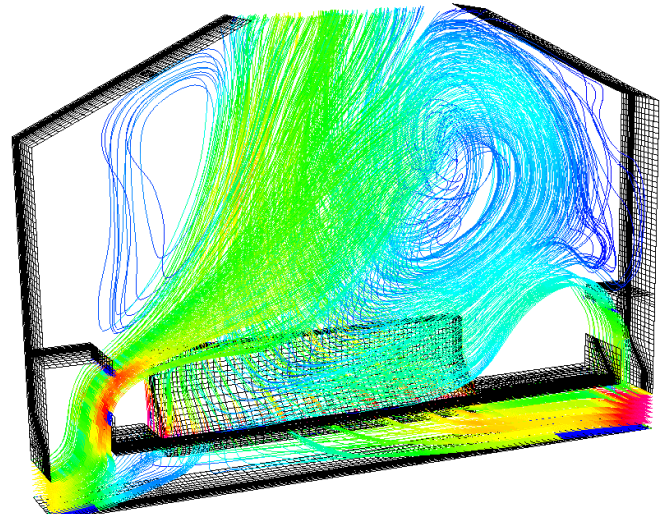
Model of the thermo-electrical behavior of the cell including ledge profile prediction.



Transient thermo-electrical model of the cell preheat.



Dynamic Windows based "lump parameter+" cell simulator



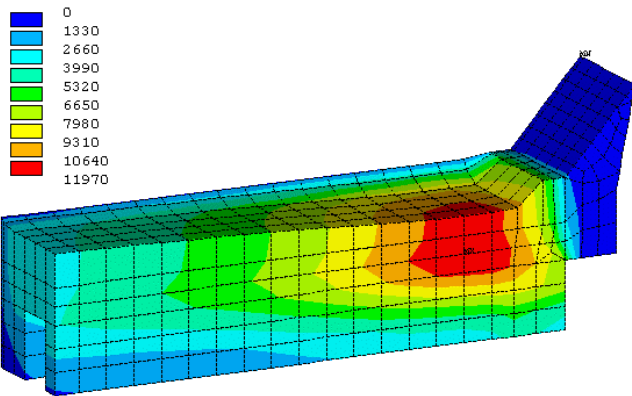
Model of the behavior of the air circulation in the potroom of an aluminum smelter.

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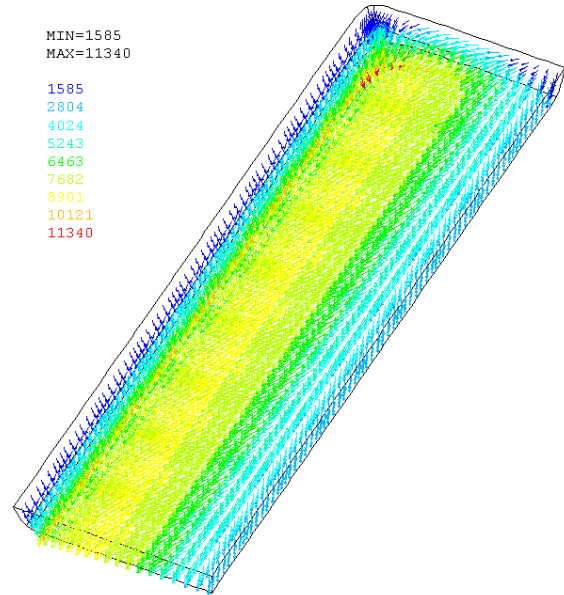
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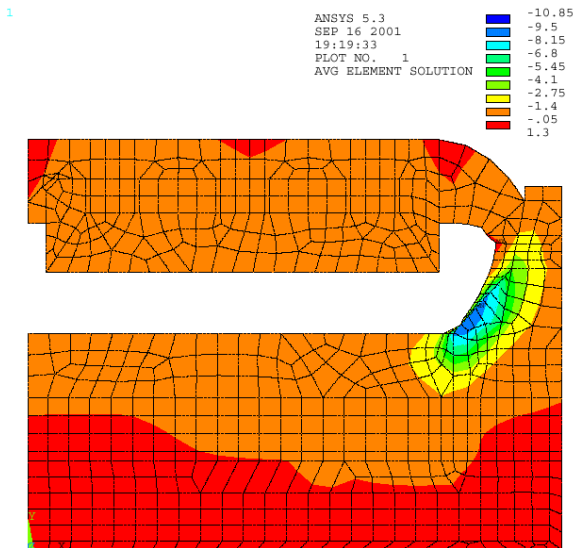
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Dynamic cathode erosion model based on an erosion law proportional to cathode surface current density.



Accurate current density calculation based on predicted ledge profile.



Dynamic 2D+ ANSYS based cell simulator



Thermo-electric model validation including support in performing “thermal blitz” campaign

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