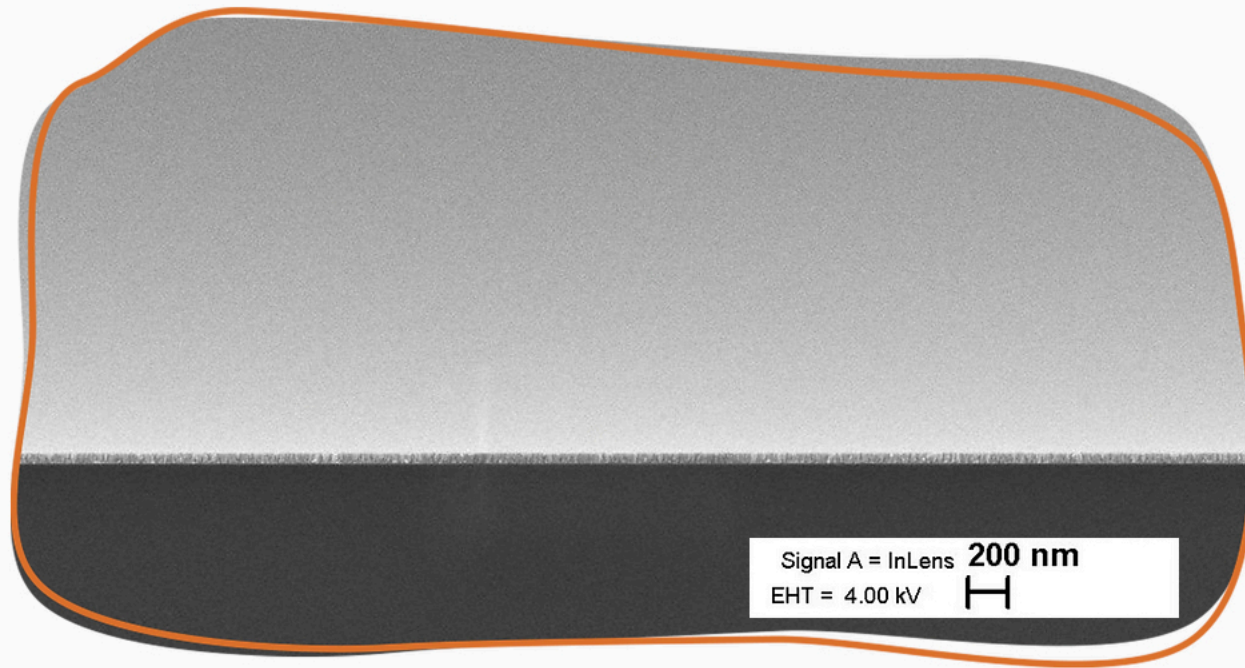


Platinum for BPP

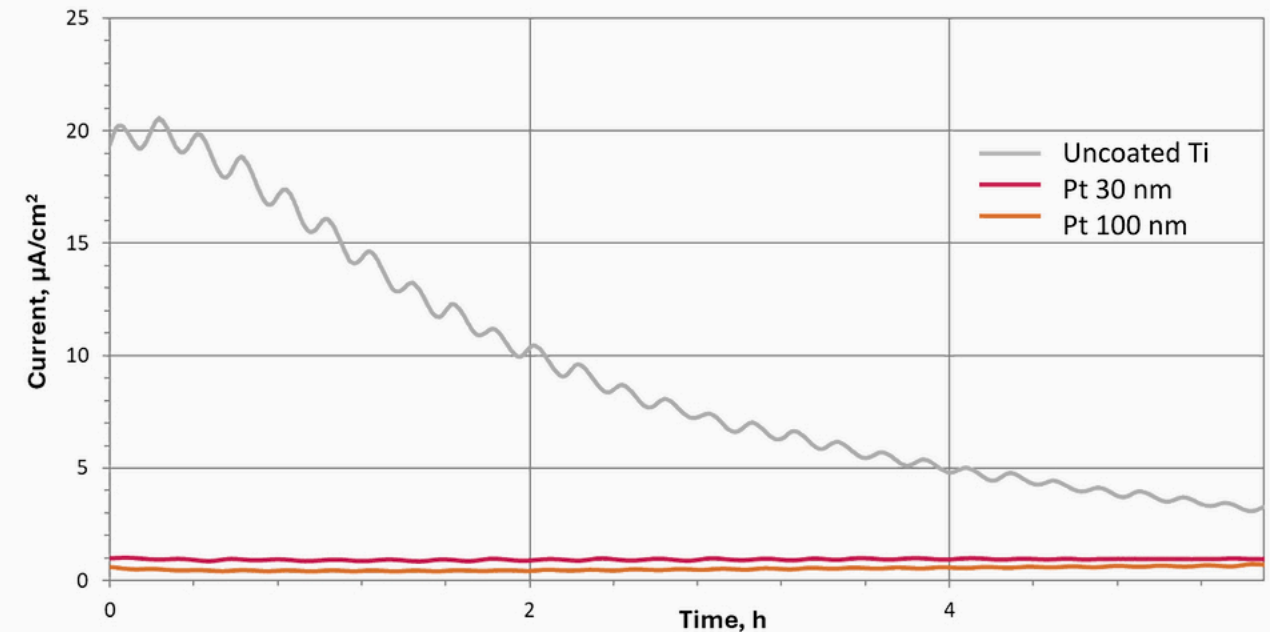
Our platinum coating (**Naco Pt**) for PEM water electrolyzer bipolar plates is significantly thinner, denser and more homogeneous than those applied by conventional methods like electroplating.

That allows to **reduce platinum loading 10 - 40x** at the same time ensuring required conductivity and corrosion protection.



Application	Bipolar plates (BPP)
Material	Pt 99.99%
Thickness, nm	30 - 100
Loading, mg/cm ²	0.07 - 0.22
Substrate material	Any metal
Substrate thickness, mm	0.05 - 4
Corrosion current ^{**} , μA/cm ²	< 0.69
Open circuit voltage (OCV), V	0.8
Interfacial contact resistance (ICR), mΩ·cm ²	< 4
ICR after 6 hours [*] , mΩ·cm ²	< 4

*Steady-state polarization at 2.2V (vs RHE), water 0.05M sulfur acid solution, 2 ppm HF at 80°C



**1.1V (vs RHE), water 0,05M sulfur acid solution, 2 ppm HF at 80°C