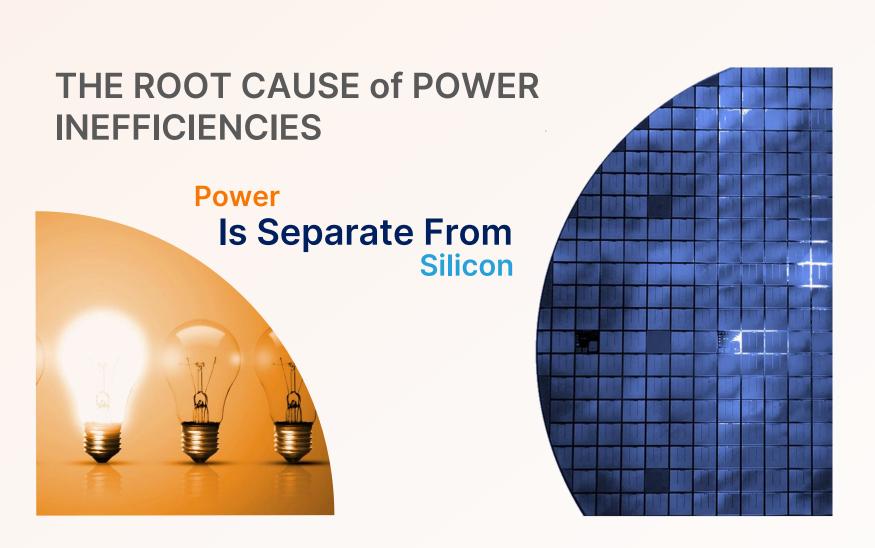
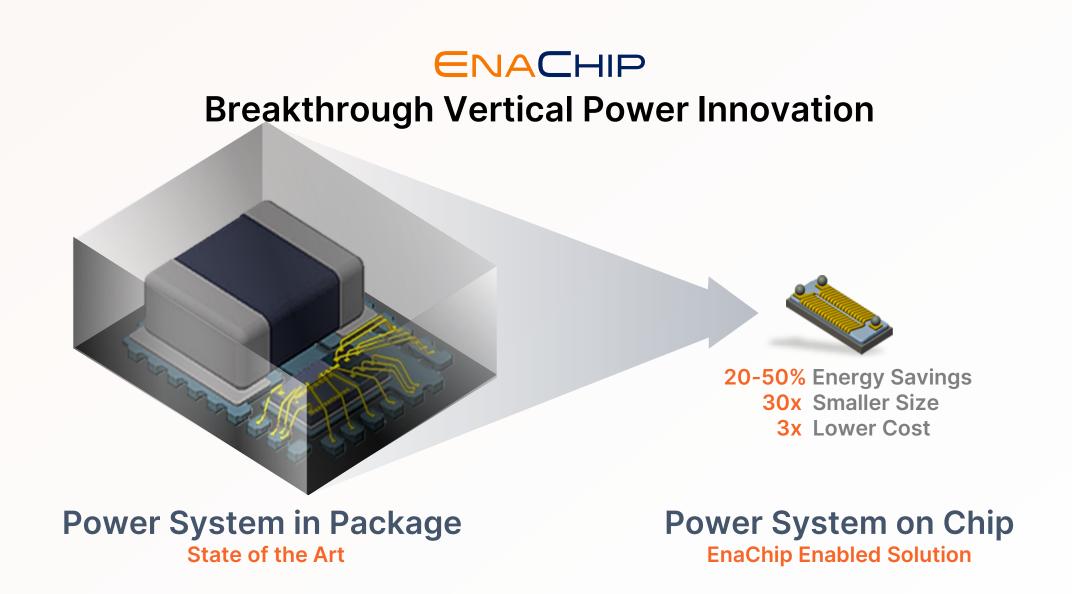


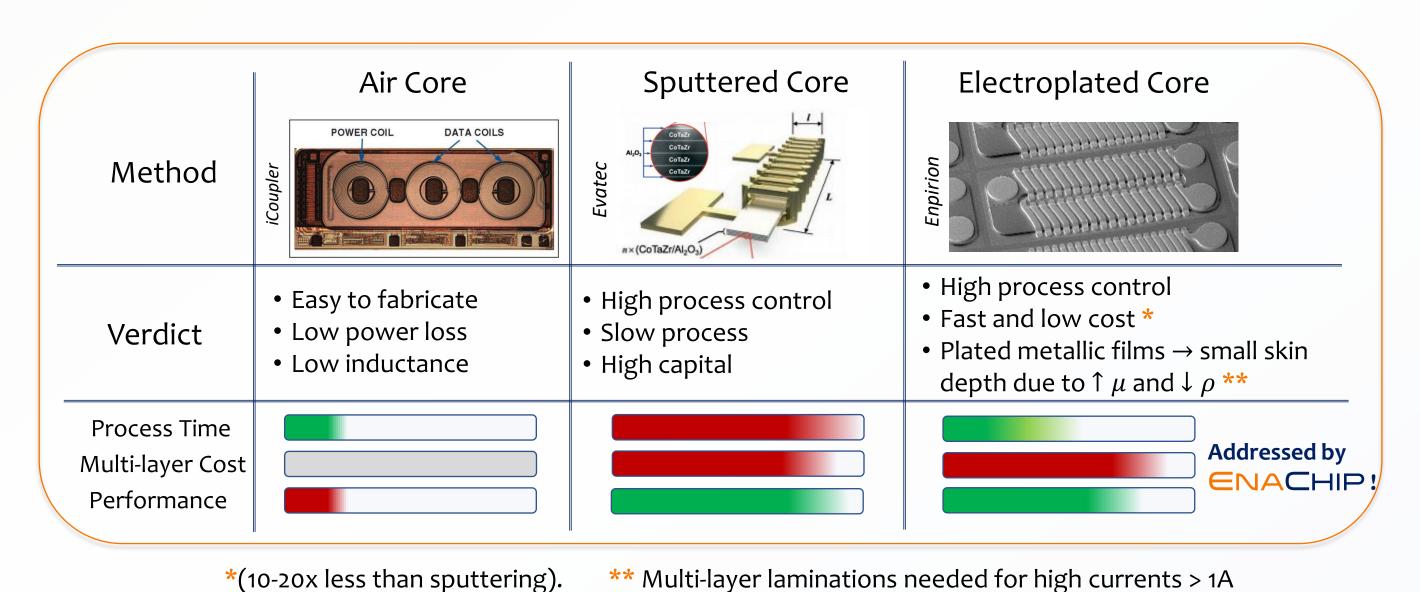
One-Mask N-Layer Electroplated Cores for Wafer Level Magnetics

Kamyar Ahmadi, Mo Khodadadi, Matt Wilkowski, Trifon Liakopoulos EnaChip Inc., New Jersey, United States

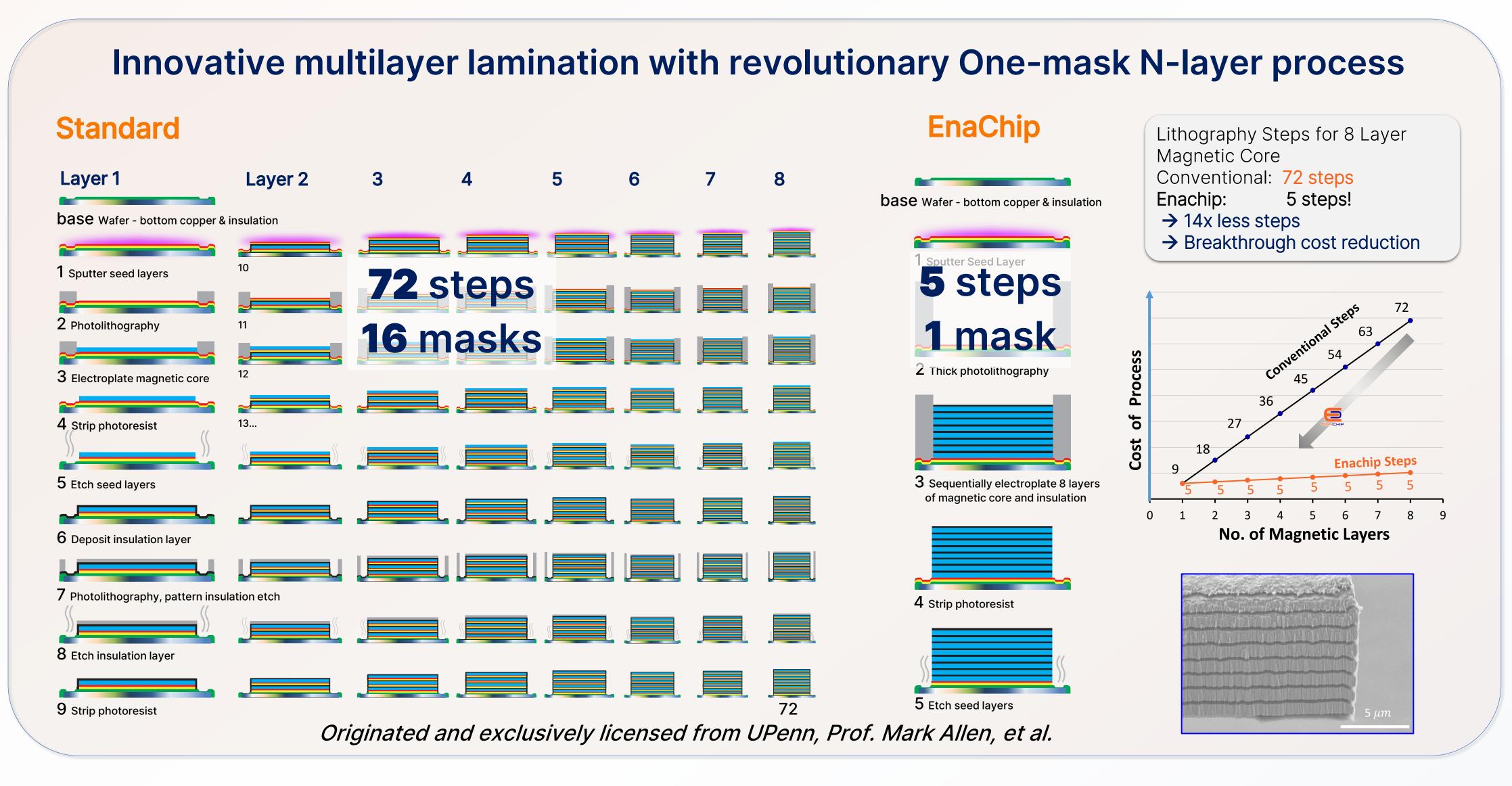


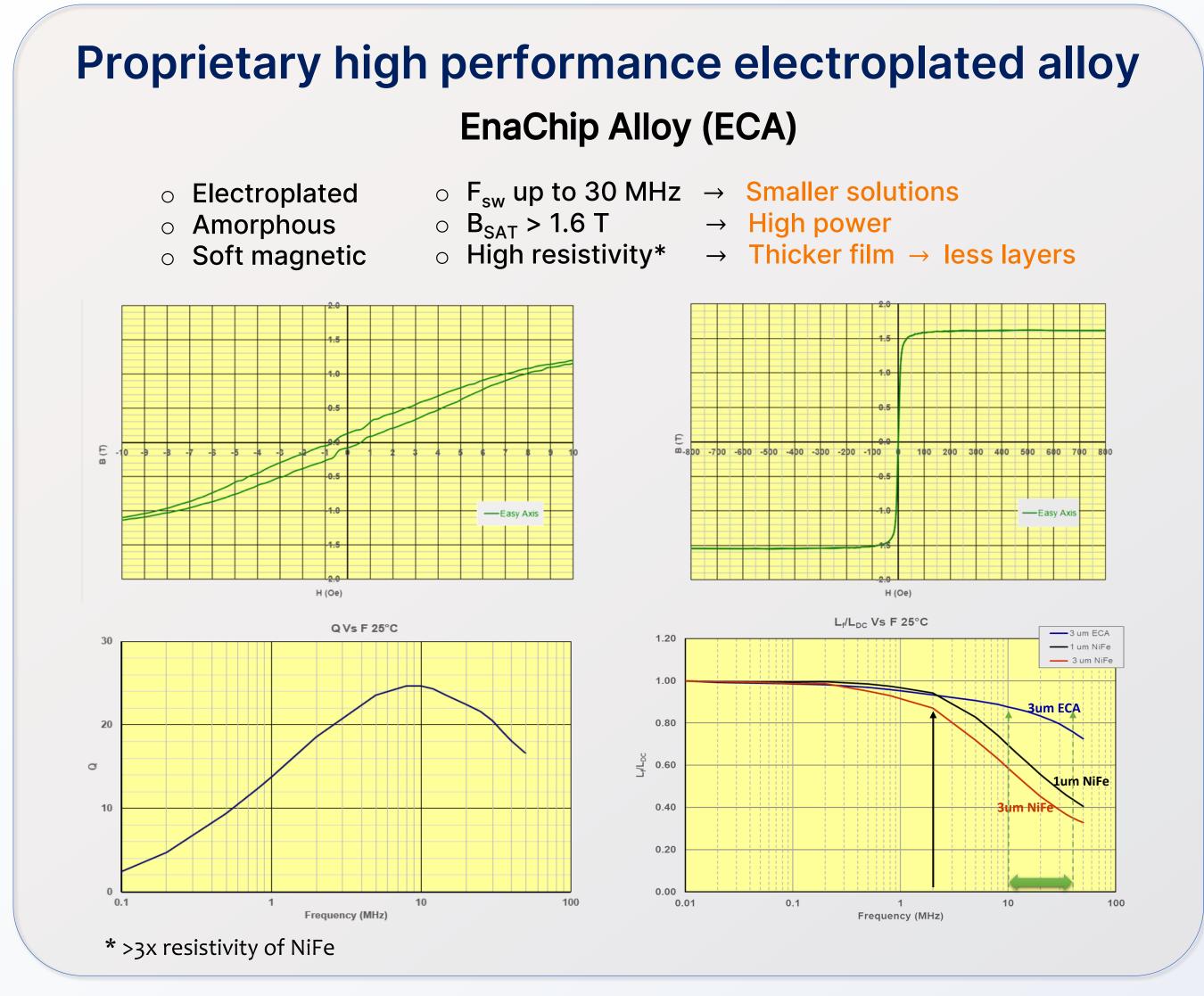




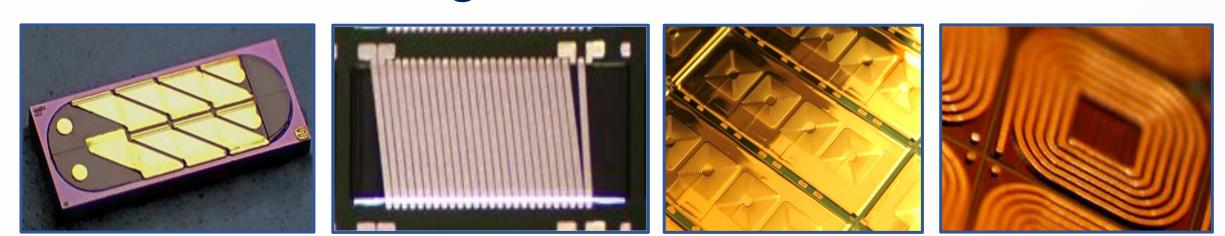


EnaChip addressed the shortcomings of electroplated based devices for cost-effective and high performance micro-magnetics.





Advance integration & microfabrication



EnaChip technology transferable to volume manufacturing partner

Applications

IVR
Embedded Power
Signal Conditioning
Electromagnetic Actuation
Magnetic Field Sensing
Energy Harvesting

Design Range

 $10 nH \le L \le 200 nH$ $10 A \ge I_{DC} \ge 2 A$ $1 m\Omega \le DCR \le 20 m\Omega$

