**APC Project meeting – May 8, 2012**

Ford Research & Innovation Center, Dearborn, MI

**Participants**: Sergey Golovashchenko (Ford), Scott Dawson (Ford), Trent Maki (Amino), John Cass (Amino), Daniel Green (UWindsor)

**Agenda**:

* Overview of APC project: timing/funding
* Amino Industrial trials
* Material quantities
* Material selection

**Background information**:

* Amino industrial trials (100 full scale dash panels) Tentative schedule
  + Current hydromechanical process Sept/Oct 2012
  + Enhanced hydromechanical process July 2013
  + Hybrid hydromechanical – electrohydraulic process 2014
* Material quantities for each sheet material
  + Complete material characterization: 32 m2 (350 ft2)
  + Amino industrial trials: 150 blanks (2.2m x 1.1m) = 363 m2 (3,900 ft2) for each set of trials
  + Ford laboratory EHF trials: 8.0 m2 (86 ft2) for the entire series of trials
  + Total for 2 sets of industrial trials: 766 m2 (8,250 ft2)
  + Total for 3 sets of industrial trials: 1130 m2 (12,150 ft2)
  + Aluminum: $3,000 donated by Novelis = 50 blanks per year
  + Aluminum: $54,000 budget for 3 sets of trials at Amino, to be purchased from Alcoa
* Material selection:
  + AA-5182-O 1.5mm
  + DP600 1.5mm
  + Other grades of steel?
  + Other aluminum alloys?