



A&D announces a new Superalloy

Aubert & Duval invests a large amount of money in R&D. We estimate it represents at least 2% of our sales income. It is higher than what our main competitors do. The projects generally relate to :

1. improving our process
2. developing new products

In this latter category, we have recently 'formally' introduced the SDC, the CX13VD(W) and the XD15NW by providing the corresponding brochures*. More to come in a near future.

Grades under development

They should **not to be promoted without the corresponding Market Manager and Technique Applications / Service Metallurgie prior approval.**

This is the case for the following grades (non exhaustive list) :

- **MLX 19** : this grade belongs to the same family as the MLX 17 (to replace the Cd-coated 300M in landing gears) with improved mechanical properties. The process is currently being fine-tuned.
- **ML 340** : a martensitic steel with duplex hardening, used for engines shafts and heavily loaded structural parts. The steel can be nitrided for other applications (crankshafts for instance)
- **New Superalloy** : a new superalloy has just been introduced by Alexandre Devaux at the Kreuth (Germany) Euro Superalloys Symposium**, and will also be presented at the Pittsburgh (USA) 7th International Symposium on Alloy 718 & Derivatives. Developed for applications in aero and gas turbines, it will directly compete with the 718 Plus, with the Udimet 720 and Waspaloy (lower cost of alloy elementals) and, to a certain extent, with powder metallurgy grades like the René 88, N18 or RR1000 (much lower cost).

Jean-Christophe Andlauer

PS Abstract of the lecture presented at the latest Euro Superalloys Symposium : **Development of new C&W superalloys for high temperature disk applications** – Alexandre Devaux, Eric Georges, Philippe Héritier can be found at the following Tatou link [EscalADe30](#).

* see EscalADe # 9, 24 and 29

** references of these conferences can be found in EscalADe # 25