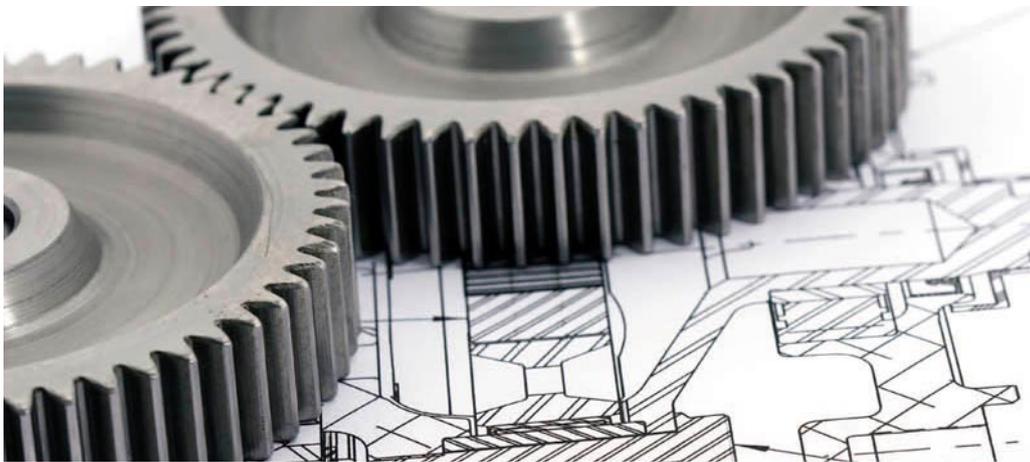


PSA Peugeot-Citroën The common language of **functional** dimensioning and tolerancing

The PSA Peugeot-Citroën Group adopted a multi-year plan for functional dimensioning and tolerancing training on drawings, as per ISO standard and intended for mechanical design offices. Target: implement a common language for everyone.



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OUR CUSTOMER

Corporate name
PSA Peugeot-Citroën

Sales turnover
48 billion euro
(2009)

Workforce
200,000

Activity
Car manufacturer

The needs for a training plan applicable to functional dimensioning and tolerancing were expressed for the first time in 2008, within the framework of a “tolerancing” project initiated by the Mechanical Direction of the PSA Peugeot-Citroën Group. The target was to apply the rules of functional dimensioning and tolerancing as described in the ISO standard so that the different entities of the Group and its suppliers could use a common language and have unequivocal understanding of the parts definition drawings. “Switching from an in house reference standard system to a higher level reference standard system makes exchanges with our partners and suppliers easier, François Villecourt, in charge of defining the

training plans within PSA Peugeot-Citroën confirms. *In particular, this approach allows us to reduce all possible disputes and the associated nonconformity costs. One of the main stakes of this training is also to learn how to express a functional need in accordance with the ISO specification and, as a result, to improve the functional quality of our products at their source.”*

Suitable training

Following a restricted call for tender initiated in mid-2008, Cetim was selected both for its competence and because this training, which was already listed in the catalogue, could be adapted to the problems expressed by the Group. After a test session carried out in February 2009, implementation

was organised within the next weeks. The training includes a first part of three days followed a few weeks later by a fourth day to study the concrete problems encountered by the participants during the application of the presented methods.

25 training sessions were carried out in 2009. 25 are also scheduled for 2010 and approximately twenty for 2011.

The exercises are “classic examples” adapted to the problems encountered. The training sessions take place in the region of Paris (France) and in the East region of France. They are intended to mechanical designers and to a part of the industrialisation and manufacturing staff who need to read and understand dimensional drawings.

“Until now, most of the people trained were designers, and the final statement is interesting, François Villecourt says. But correct implementation also depends on how far the managers are involved.”

Cetim's asset

Cetim is an independent organisation with recognised technical expertise and experience



as a training body. Cetim has the necessary legitimacy to make

companies' in house practices evolve.