



NMi saves you energy!

(Smart) electricity meters

Short time and swift access to market are essential for the dynamic energy market. To achieve this you need to comply with the necessary IECIEN standards as well as WELMEC guides and upcoming OIML recommendations. NMi saves you energy by offering one-stop shopping services for all test requirements of your (smart) electricity meters. NMi is the market leader in issuing European Type Examination Certificates.

FAST TRACK

Rapid market access is vital to ensure good business deals. Thanks to our efficient test procedures, state-of-the-art test facilities and our experienced test engineers, we can achieve the shortest turnaround times for you. Are you working to meet a deadline? For electricity meters, we offer a fast track option, reducing turnaround times from 5 weeks (standard NMi turnaround time) to just 3 weeks (in consultation). This has enabled many clients to meet deadlines for tenders.

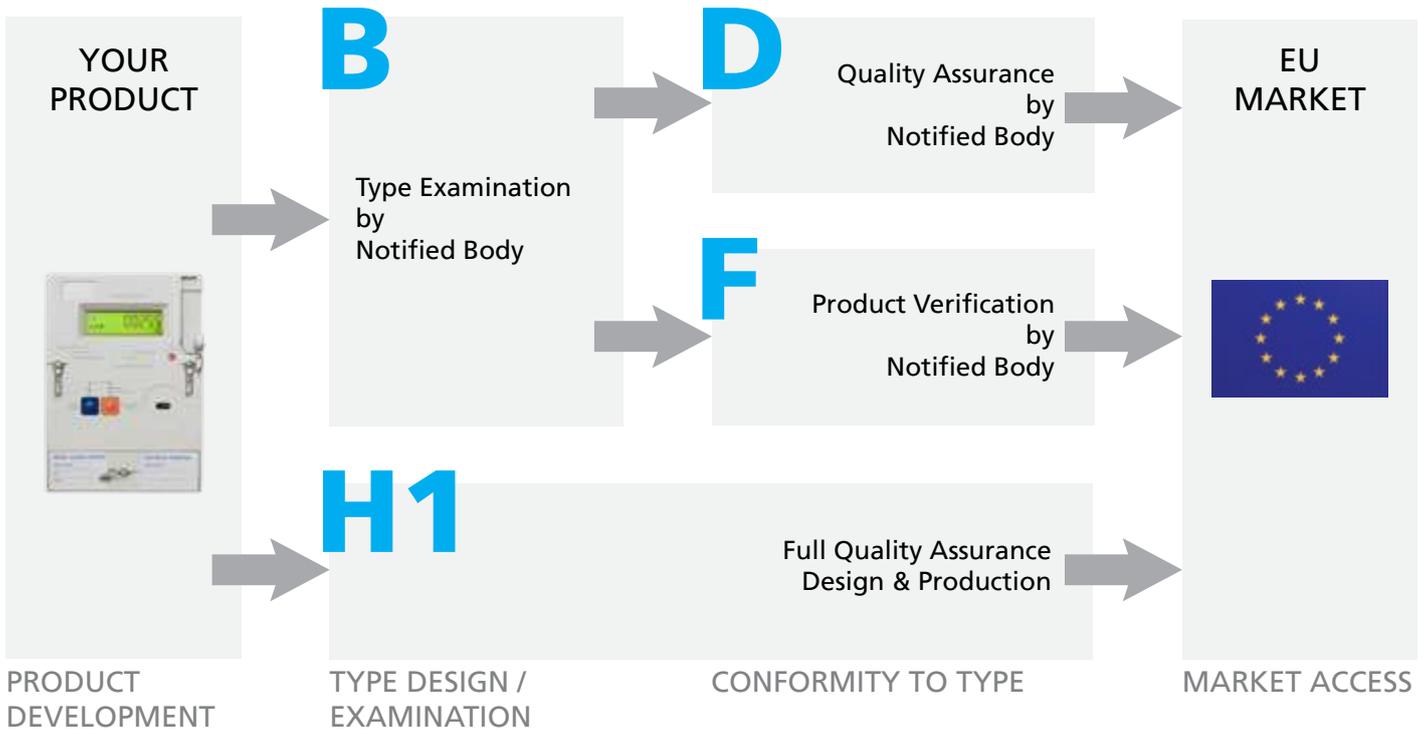


WHAT IS BEST FOR YOU?

Successful testing results in an IEC or EN test report containing all test results and an EC Type Examination Certificate. These documents will help you in acquiring easy market access to most countries. An overview of our possibilities is listed below.

		Global standards	European standards
Electrical energy meters	Static electrical energy meters Class 1 & 2 / A, B & C	IEC 62052-11 + IEC 62053-21 OIML R 46, NMi M6-1	EN 50470-1 + EN 50470-3
	Static electrical energy meters Class 0.2S & 0.5S	IEC 62052-11 + IEC 62053-22 OIML R 46, NMi M6-1	-
	Electromechanical electrical energy meters Class 0.5, 1 & 2 / A, B & C	IEC 62052-11 + IEC 62053-11 OIML R 46	EN 50470-1 + EN 50470-2
	Meters for reactive energy	IEC 62052-11 + IEC 62053-23 IEC 62052-11 + IEC 62053-24	-
	Software	-	Welmec guide 7.2
	Accelerated reliability and Durability	IEC 62059-31-1	-
	DC meters	IEC 62052-11 + IEC 62053-23	VDE-AR-E 2418-3-100 Annex A
	Acceptance testing	IEC 62058-11, -21 & -31	MID module F
Tariff & load control	Ripple control receivers	IEC 62052-21 + IEC 62054-11	-
	Time switches / clocks	IEC 62052-21 + IEC 62054-21	-

POSSIBLE ROUTES TO CONFORMITY WITH MID



CLARITY IN ADVANCE!

NMi always informs you about the project steps in advance. We are happy to work, with prior agreement, on investments, test programs and time schedules. Before starting tests, we can issue a draft Type Approval Certificate that is based on your documentation. This means that you already know what the certificate will look like if your measuring instrument complies with the requirements.

STEEC

NMi uses Standard Type Examination & Evaluation Certificates (STEEC) as a method to provide structure in your approval documents. This method gives you a clear view on the consequences of a product modification. STEEC defines three levels:

Essential Parts:

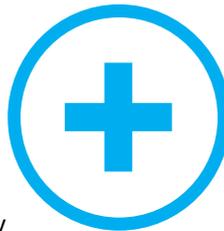
If an essential part has to be modified, revision of your certificate is needed as these modifications have an impact on the metrological aspects of your product.

Conditional Parts:

The conditions under which this part can be used or attached are mentioned in your certificate. Changes to these conditions could lead to small revisions of your certificate.

Non-Essential Parts:

Modifications in non-essential parts have no consequences for your certificates. You are free to modify these parts. The modification has no effect on the metrology aspects of the product.



NMi THINKS AHEAD

In order to achieve a minimum time to market, it is vital that your design already complies with the legal requirements in the target countries. NMi provides support in different phases of product development, helping you avoid expensive and time-consuming modifications later on. You can take into account the requirements relating to your meter during the very earliest stages of product development. This enables you to reduce development costs as well as the time between design and final product according to the requirements. The result is fewer failures and therefore less retesting during certification.

WHAT NMi OFFERS YOU

In the specific field of electricity meters and tariff & load control equipment, NMi offers you the following services:

- MID Type Examination
- OIML, IEC and EN Test Reports
- Type Approval Management
- STEEC
- System Certification
- Training
- Consultancy

