

Pilot Study Data Sheet

17 April 2013

Table 1: Revision list

date	comment	author
2006-04-21	First release	Jörgen Marklund
2008-03-25	update header	Jörgen Marklund
2013-04-17	figure & lay-out (this document)	Carl Carlander

D-Flow Technology offers ultrasonic flow meter technology to companies who are interested in developing a flow meter for use in gas or liquid. D-Flow provides our UFO ASIC which together with our transducers and our know-how can address a large number of applications. The typical D-Flow customer is a flow meter manufacturer or a system integrator.

A flow meter development project is often opened by a pilot study. The purpose of the pilot study is to investigate the feasibility of D-Flow's technology in your application. The pilot study is a flexible custom-tailored development package that addresses each customer's preferences. Typically D-Flow design and manufactures flow meter prototypes corresponding to your specific application and performs validation experiments.

In order to bring forward the completion of the pilot study D-Flow has designed a number of electronic evaluation platforms for different types of media and transducers. These platforms can rapidly be adapted for your application and used for the first prototypes. They are also the basis for training and the transfer of know-how to your engineers, who will be in charge of the final development of your product, with or without the assistance of D-Flow.

A typical pilot study can be summarized as follows:

- SPECIFICATION** Discussions to establish a pilot study specification.
- DESIGN PHASE** Design mechanics, prepare electronic boards, choose transducers etc.
- PROTOTYPES** Manufacturing of a number of prototypes, normally 3 to 5 pcs.

- TESTS** Performance tests in our laboratory, performed in water or air.
- REPORT** Engineering report describing prototypes, test procedure and test results.
- VISIT** Customer visits D-Flow for training sessions and discussions.
- VALIDATION** Customer validates the results by testing the prototypes at an external accredited flow meter service provider.



COMPANY INFO

D-Flow is a knowledge-based company that specializes in ultrasound technology, mainly for flow measurement. Our knowledge is based on 25 years of research in ultrasonics and flow measurement technology. For further information, please visit www.d-flow.com.