

Univ.-Prof.Dr.Ing. D. Bohn

Dipl. Ing. Nils Ohlendorf

Institut of Steam and Gas Turbines, Aachen University Germany



Overview

FLOXCOM Meeting Bari 21.11.03

- Block diagram
- Boroscope and flame detection concept
- Review old test rig
- Integration of the rig in the test field
- Status quo
- Prospect

© IDG 2003















Integration in the testbox 2

FLOXCOM Meeting Bari 21.11.03





Measurement program

- Two bottle packs each with 12 bottles CH₄ = volume 240m³
- Under full load → 50 min measurements
- Warm up (estimated) 2h for compressor and pipe system
- 15min per run → 3 runs each day
- Match fixing measurement matrix
- Parameter settings m, lambda, p, geometry

RWTH Aachen IDG		FLOXCOM Meeting Bari 21.11.03	
	• Desig	n integration of boroscope flange	Done
	• Desig system	n and construction of the safety n (flame detector)	Done
	• Asser combu	mbly of the interface to the pilot ister	Done
	• Data	acquisition program	Done
	 Setup exhaust gas analysis system 		Done
	• Integ	ration of the unavailable test rig	In work
	 Integration system 	ration of in air heater in inlet pipe n (after lowering the air mass flow)	In work
			© IDG 2003



Open points

FLOXCOM Meeting Bari 21.11.03

