

The “Gas” Solution Plant Maintenance

The “Gas” Solution employs Smart Point® technology to manage and monitor the maintenance activities, even if outsourced.

In this particular case, one of our latest projects has affected a Gas Dealer Company that has decided to adopt Smart Point® technology for the labelling and managing of: cabins and interception systems, cathodic protection system, gas chromatography apparatus. Thus, the Company has acquired the ability to handle the maintainer in outsourcing.



The process involves that the Maintainer reads the tag, recognizes and accesses the computer data card of his exclusive relevance, then performs the tasks and updates the tag by recording the date and time of the intervention.

After that, the same Supplier periodically exports the activities carried out in a non-editable format and sends it to the Customer, (the Plant Owner), who definitively imports it into their application, making the information available for subsequent consultations and / or elaborations.



The “Gas” Solution Plant Maintenance

The Gas Solution guarantees the following benefits:

Overall increase in **security** and service **efficiency** as well as in sensitive management economies;

Closely **monitoring** of individual components, or critical ones, and related maintenance activities, including where the operations are carried out by external companies;

Constantly updating databases regarding the status of each component;

Immediate
availability of
operative data,
computerized
registration of the
information, and
unique certification of
their origin, resulting in
a reduction in both data
retention times and any
decoding and / or
transcription errors.


Cabine di regolazione e misura Impianti di intercettazione Sistema di Protezione Catodica

SGI

Sede Tecnica:	
Descrizione:	

Fornitore

Data:	12/11/2011
Ora:	10:31
Perdite Gas dalle giunzioni flangiate o filettate:	<input type="checkbox"/> OK
Pressione In (bar):	
Pressione Out (bar):	
Stato Muri di cinta, recinzioni e accessi:	<input checked="" type="checkbox"/> OK
Corretto funzionamento Sistema Preriscaldamento:	<input checked="" type="checkbox"/> OK



Instrumentation Solution

The most commonly problems related to the calibration operation are:

- The maintenance manager must “remember” to check the verification table to see which tools need to be verified and when;
- The forms must be prepared and completed by hand, with the possibility of transcript errors;
- The error calculation must be done manually with the possibility of typing errors;
- The list of instruments to be calibrated must be updated manually.

Our Instrumentation Solution, Smart Point® Technology-based, meets this need.

Specifically, all instruments are labelled with a Smart Point® memory, which contains all the information forming the instrument record card and which are updated for each maintenance and / or calibration operation.



The calibration and maintenance reports are automatically compiled starting from the information included in the instrument maintenance form and from those concerning the sample instrument.

Our Instrumentation solution guarantees the immediate **availability**, directly on the component, of the data necessary for calibration activities, **simplifies** the compilation of reports and minutes, **eliminates** problems related to transcription errors, all with considerable **time savings** and therefore , costs and a significant increase in service **efficiency**.

Instrumentation Solution

The software supplied, besides enabling interaction with Smart Point® memory (read and write), permit the simplification of form management and scheduling of activities, and, in the opening phase, automatically signals the interventions expiring.

Calibrator - Strumenti di misura - Rapporto di taratura

RAPPORTO DI TARATURA STRUMENTI

N° rapporto Allegato al verbale di taratura n° Data prossima taratura Esito della taratura

Ore lavorate Unità Prima della taratura, lo strumento è stato calibrato ☐ SI ☐ NO

Strumento in prova

Denominazione strumento Codice strumento

Modello Campo di misura

Classe di precisione (+/- %Fs) Intervallo verifica

Casa costruttrice Matricola

Unità di appartenenza Campo di taratura

Risoluzione (Er) %Fs Minima divisione

Campione di riferimento

Denominazione campione Modello campione

Codice campione Marca

Matricola Rapporto di taratura

Incertezza del campione (lm) %Fs

Condizioni di taratura

Temperatura Umidità relativa

Posizione di lavoro N° istruzione di taratura

Data esecuzione taratura Fluido utilizzato

Descrizione taratura effettuata

Controllo dello zero; verifica n° 4 punti della scala con pressione crescente (25-50-75-100 %); verifica escludendo l'ultimo punto del fondo scala dei punti precedenti con pressioni decrescenti (75-50-25-0 %)

Data emissione Eseguito da Controllato da

Valori di taratura

Incertezza limite richiesta(lr) +/- (%F.S.)

Punto	Pressione applicata	Valore misurato salita	Valore misurato discesa	Errore assoluto E	Errore percentuale e (%Fs)
0	0				
25%F.S.	10				
50%F.S.	20				
75%F.S.	30				
100%F.S.	40				

Interventi in Scadenza Taratura Interna

N° Scheda	Codice Strumento	Data Intervento

Stampa Scadenze Taratura Interna

Interventi in Scadenza Taratura Esterna

N° Scheda	Codice Strumento	Data Intervento
260	173/NA	09/07/2004

Stampa Scadenze Taratura Esterna

