

7 Year Report Edition









































I hope you find something of interest contained within it's pages.

I am very pleased to report that Julian Crabb a Detective Constable with the Metropolitan Police has taken on the role as Liaison Manager. You can read more about him elsewhere in this report. It is hoped that Julian will get to meet many of you over the coming months and hopefully years!!

Reductions to Police budgets is a well documented subject which regularly makes the National press. On the issue of budgets, without the donations received from our supporting insurers, PANIU would simply not exist. So I wish to extend my sincere thanks on behalf of the Metropolitan Police and the wider police community to AXA, AVIVA, ALLIANZ, RSA, ZURICH, NORTHERN MARINE UNDERWRITERS (NMU), NFU MUTUAL, MUNICH RE (HSB ENGINEERING) & QBE insurance companies. Also to the Construction Equipment Association (CEA), Clancy Docwra, Enigma Telematics & Tracker Networks (UK) Ltd.

This year we have recorded a slight increase in overall thefts from 2219 to 2325. The vast majority of reported thefts are for smaller items of machinery. Those that can easily be removed from the theft site, easily transported and perhaps most importantly easily concealed.

The vehicle of choice to commit these offences is the light commercial vehicle particularly large panel vans. How we secure such items when not in use is of paramount importance to reduce the risk of theft. I therefore urge you to read the "Best Practice Guidance" document produced by CITS contained within this report.

The facts and figures quoted in this report are all taken from the PANIU database. We now hold over 33,000 records. The source for this data is principally the Police National Computer (PNC) and insurance claims notifications from our supporting donors. We will accept other third party notifications provided they are accompanied by a unique police crime reference number. Remember the reports on our database are only as good as what we get told. There are still improvements to be made by the police in the way we circulate stolen machinery and too this end PANIU are currently working on a training document for all PNC users.

For the record the database is the only one of its kind. You will not find another so accurate or comprehensive anywhere in the World. Accessible 24/7 365 days a year by Police UK.

Although you will find reference to the following facts and figures elsewhere within the report I feel it is worthy of further mention and to highlight to you the difference that can be made if we work together to tackle machinery theft across the UK. Much has been done in 7 years but there is still much more that could and should be done.

Overall machinery theft is down 57% from the peak of 2010.

The recovery of CESAR marked stolen items is still 25%.

Tractor theft has fallen 58%.

The theft of telehandlers has fallen 62%.

The theft of JCB products has fallen 68.5%.

These figures are truly impressive and ones we can all be justly proud of. I will close by reminding you of the vision held by the Plant Theft Action Group back in 2005 just after the UK secured the bid to host the 2012 Olympics.

- 1. A database to capture all machinery thefts.
- 2. A Police Unit dedicated to the problem of machinery theft.
- 3. A marking scheme for the industry & recognised by the industry.

10 years ago any reductions in theft would have been seen as a success. Could we ever of imagined such positive results.

Long may the relationship between PANIU the wider police family and the industry continue.

Caroline Clooney

Detective Inspector Plant & Agricultural National Intelligence Unit (PANIU) Organised Vehicle Crime Unit Metropolitan Police Service































TOT

66

52

44 44

38

31

28

21

15

15

269

623

TOT

134

72

72

68

59

35

33

33

27

17

73

623

TOT

140 139

TOT

69

53

13

57

192

JUL-SEPT 2015

JUL-SEPT 2015

JUL-SEPT 2015

JUL-SEPT 2015

REGIONAL CLUSTER

YORKSHIRE & NE

SOUTH EAST

QUAD MAKE

HONDA

YAMAHA

SUZUKI

OTHERS

TOTAL

MANUFACTURER

BENFORD/TEREX

JCB

KUBOTA

TAKEUCHI

THWAITES BOMAG

STEPHILL CATERPILLAR

HAMM

OTHERS

TOTAL

PLANT TYPE

GENERATORS

TRACTORS

DUMPERS

ROLLERS ATTACHMENTS

FORKLIFT

OTHERS TOTAL

MINI EXCAVATORS

RIDE ON MOWERS

UTILITY TRUCKS

TELEHANDLERS

JOHN DEERE

RANK

3

10

RANK

3

8

9

10

RANK

RANK































Plant & Agricultural National Intelligence Unit



The following charts record the figures for the last year, October 2014 to September 2015. Year on year we have recorded an increase in machinery theft of 106.

Due to some manufacturers continuing to record significant reductions in theft other new names find themselves in the top 10, but of course with relatively low theft figures. For the first time Hamm the tandem roller manufacturer find themselves in 10th place with 15 thefts last quarter.

John Deere figures remain relatively high but the majority of their recorded thefts are smaller items such as utility trucks and ride on mowers. As has previously been stated it is most unusual to record the theft of a JD Tractor meeting the Thatcham 3 stars.

Even with the slight increase in overall thefts this year the percentage reduction in machinery theft from the peak of 2010 is 57%. JCB are leading the way with a recorded reduction of 68.5%.

No other manufacturer who consistently appears in our top 10 for theft can get anywhere near this figure. In fact most cannot get even close to the overall reduction figure of 57%. If we measured John Deere tractor theft alone they would have recorded reductions of over 50%. Last year Takeuchi had recorded reductions of 60% from their peak in 2010 but this year have slipped back to 38% having recorded 147 thefts this year. Most of those who appear in the top 10 have recorded reductions of around 30% but some have recorded hardly any change at all.

The trend is definitely towards smaller items of machinery. On the agricultural side this is quad bikes, utility trucks & ride on mowers. For construction it is mini excavators (up to around 1.5t) tandem rollers, small dumper trucks, compressors, generators and the like.

Broadly this is items of machinery that do not meet the Thatcham 3* rating.

	APR-JUN 2015	
RANK	POLICE FORCE	TOT
1	THAMES VALLEY	33
2	WEST YORKSHIRE	33
3	SURREY	29
4	GREATER MANCHESTER	27
5	DEVON & CORNWALL	25
6	METROPOLITAN POLICE	23
7	LINCOLNSHIRE	21
8	KENT	21
9	WEST MIDLANDS	19
10	SOUTH YORKSHIRE	17
	OTHERS	283
	TOTAL	531

	JUL-SEPT 2015	
RANK	POLICE FORCE	TOT
1	GREATER MANCHESTER	63
2	WEST YORKSHIRE	44
3	METROPOLITAN POLICE	34
4	KENT	27
5	HUMBERSIDE	26
6	SOUTH YORKSHIRE	24
7	STRATHCLYDE	24
8	ESSEX	23
9	WEST MIDLANDS	22
10	NOTTINGHAMSHIRE	21
	OTHERS	315
	TOTAL	623

	APR-JUN 2015	
RANK	MANUFACTURER	TOT
1	JOHN DEERE	65
2	JCB	60
3	KUBOTA	45
4	BOMAG	33
5	TAKEUCHI	30
6	THWAITES	29
7	BENFORD/TEREX	14
8	HITACHI	14
9	NEW HOLLAND	13
10	CATERPILLAR	8
	OTHERS	220
	TOTAL	531

	APR-JUN 2015	
RANK	PLANT TYPE	TOT
1	MINI EXCAVATORS	116
2	TRACTORS	68
3	RIDE ON MOWERS	65
4	DUMPERS	46
5	ROLLERS	44
6	GENERATORS	35
7	ATTACHMENTS	31
8	TELEHANDLERS	27
9	UTILITY TRUCKS	25
10	BACKHOE EXCAVATOR	11
	OTHERS	63
	TOTAL	531

	APR-JUN 2015	
RANK	REGIONAL CLUSTER	TOT
1	SOUTH EAST	149
2	YORKSHIRE & NE	101
3	EAST MIDS & ANGLIA	59
4	SOUTH WEST	56
5	NORTH WEST	53
6	MIDLANDS	51
7	SCOTLAND & NI	25
8	WALES	30
9	BTP & MOD	6
	TOTAL	531
	UNKNOWN/ OTHER	1

59	3	NORTH WEST	85
56	4	EAST MIDS & ANGLIA	68
53	5	MIDLANDS	55
51	6	SCOTLAND & NI	43
25	7	SOUTH WEST	40
30	8	WALES	34
6	9	BTP & MOD	18
531		TOTAL	623
1		UNKNOWN/ OTHER	1

Quads Thefts

	APR-JUN 2015	
RANK	QUAD MAKE	TOT
1	HONDA	93
2	YAMAHA	30
3	SUZUKI	18
4	OTHERS	75
	TOTAL	216

Quad NOT included in total

Quad NOT included in total



































"The three charts produced across clearly demonstrate the reductions in theft by year of manufacture.

They record data for Tractor, JCB product & generically "Telehandler"

A tractor 15 to 25 years old is the most likely to be stolen and something PANIU have been reporting for some years.

With advances in vehicle security and manufacturers striving to meet the Thatcham 3* rating, the theft of newer (3 years old or less) tractors is becoming very uncommon.

If we combine the total tractor thefts since October 2011 for a product 3 years old or less (at time of theft) the total is 62. That is 62 thefts in 4 years when a quick glance will show you that in 2008-09 we lost 82 and in 2009-10 we lost 101. If we were to say the average insurance claim for a tractor falling within the age range 0-3 years old is £40K (probably a lot more) the savings to the industry is at least £13M.(Assuming that the theft levels of 2009 remained the same year on year).

When we look at the JCB figures they are equally as impressive. With 31 machines 3 years old or less stolen in the last 12 months. Compared to 199 in our first full year of reporting. It will be mentioned else where in this report but overall JCB theft is down 68.5% from the peak of 2009-10.

Telehandlers as a generic group covering both, construction & the agricultural sector are another good measure to highlight the progress that has been made in reducing machinery theft. In the year October 2008-Sept 2009 PANIU recorded 124 thefts for a telehandler 3 years old or less. In the last 12 months we have recorded just 14 thefts. This is a reduction of 88.7%. Who, 7 years ago would have thought we would see these figures?

Put simply these three charts clearly and unequivocally demonstrate the difference that can be made to the greater good of all (except the thief and the handler) that working together, embracing the issue of crime preventing and actually wanting to make a difference has contributed to reducing machinery theft across the UK".

> **JCB** theft down 68.5%

Telehandler theft down 88.7%

Overall theft down 57%

Tractor theft down 84.1%

	TRACTOR THEFTS BY YEAR						
YOR	OCT08-SEP09	OCT09-SEP10	OCT10-SEP11	OCT11-SEP12	OCT12-SEP13	OCT13-SEP14	OCT14-SEP15
2015	0	0	0	0	0	0	1
2014	0	0	0	0	0	0	9
2013	0	0	0	0	0	10	6
2012	0	0	0	1	6	4	7
2011	0	0	6	7	12	6	2
2010	0	15	14	6	14	5	13
2009	12	44	25	13	18	12	12
2008	37	42	27	18	14	15	16
2007	33	42	28	15	8	10	8
2006	34	27	29	7	7	7	6
2005	27	18	25	8	12	8	5
2004	25	29	17	8	9	6	9
2003	32	25	19	3	6	6	7
2002	22	19	11	4	6	2	6
2001	22	11	3	4	8	5	3
2000	7	5	6	3	3	4	6
1990-1999	89	57	39	31	31	28	34
1980-1989	16	24	19	18	18	5	11
1970-1979	9	11	7	4	8	10	4
1900-1969	16	10	14	7	14	12	1
UNKNOWN / UNREG	178	208	156	74	120	105	89
	OCT08-SEP09	OCT09-SEP10	OCT10-SEP11	OCT11-SEP12	OCT12-SEP13	OCT13-SEP14	OCT14-SEP15
0-3 0-5	82	101	45	14	18	14	16
0-5	143	170	100	45	50	25	25

			JCB PF	RODUCT THEFTS	BY YEAR		
YOR	OCT08-SEP09	OCT09-SEP10	OCT10-SEP11	OCT11-SEP12	OCT12-SEP13	OCT13-SEP14	OCT14-SEP15
2015	0	0	0	0	0	0	1
2014	0	0	0	0	0	3	20
2013	0	0	0	0	0	4	10
2012	0	0	0	2	11	15	20
2011	0	0	15	36	21	16	15
2010	0	16	36	35	18	12	11
2009	24	47	30	14	17	6	6
2008	90	73	35	24	22	18	11
2007	85	88	52	27	29	28	16
2006	44	42	32	24	17	13	12
2005	25	30	25	16	7	2	6
2004	35	34	15	8	5	5	6
2003	26	26	10	9	7	6	4
2002	25	21	7	8	2	4	3
2001	16	14	6	6	4	6	3
2000	12	8	12	1	4	2	10
1990-1999	52	26	19	20	10	10	8
1980-1989	4	2	3	3	0	1	2
1970-1979	0	0	0	0	0	0	1
1900-1969	0	0	0	0	0	0	0
UNKNOWN	398	412	347	240	106	169	83
	OCT08-SEP09	OCT09-SEP10	OCT10-SEP11	OCT11-SEP12	OCT12-SEP13	OCT13-SEP14	OCT14-SEP15
0-3	199	136	81	73	32	22	31
0-5	268	266	168	111	67	50	66

		TELEHANDLER THEFTS BY YEAR							
YOR	OCT08-SEP09	OCT09-SEP10	OCT10-SEP11	OCT11-SEP12	OCT12-SEP13	OCT13-SEP14	OCT14-SEP15		
2015	0	0	0	0	0	0	0		
2014	0	0	0	0	0	1	9		
2013	0	0	0	0	0	1	5		
2012	0	0	0	4	4	2	5		
2011	0	0	10	17	3	3	5		
2010	0	4	24	17	13	6	6		
2009	6	16	15	10	5	2	3		
2008	54	50	23	24	17	11	11		
2007	64	72	45	25	27	13	15		
2006	31	24	26	13	14	8	5		
2005	23	32	23	20	9	2	3		
2004	26	33	12	9	7	3	4		
2003	14	22	8	6	6	4	2		
2002	17	11	5	7	3	2	1		
2001	8	13	5	5	0	4	2		
2000	6	9	7	0	4	2	6		
1990-1999	14	15	16	18	9	2	3		
1980-1989	1	4	0	0	0	0	1		
1970-1979	0	0	0	0	0	0	1		
1900-1969	0	0	0	0	0	0	0		
UNKNOWN	113	129	113	81	56	48	15		
	OCT08-SEP09	OCT09-SEP10	OCT10-SEP11	OCT11-SEP12	OCT12-SEP13	OCT13-SEP14	OCT14-SEP15		
0-3	124	70	49	38	7	4	14		
0-5	178	166	117	72	25	13	24		





























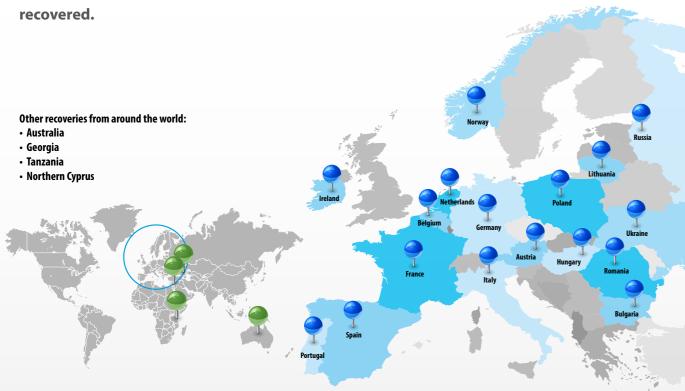






PANIU International Recoveries

PANIU continue to foster relationships with law enforcement agencies across the globe. This map highlights some of the countries where UK stolen machinery has been



Continued Success for CESAR

The latest CESAR figures:

- 200,000+ machines protected by CESAR.
- 1618 CESAR marked items reported stolen.
- · 398 CESAR marked items recovered.
- 25% recovery rate.







PANIU Assisted in or directly involved in the recovery of over £13.3M of stolen machinery

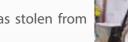
Certainly an interesting "Case"

PSNI Officer Martin Kerr attended a location in Ballymena, ostensibly to establish the identity of a seized New Holland tractor.

A forensic examination quickly established the Chassis number (albeit every other identifier had been ground off)... which lead the officer onto other lines of enquiry with the manufacturers and PANIU. Martin was suspicious of the first three digits as they were not the normal New Holland prefixes and quickly established that the machine did not start out life in shiny blue... but rather was a red tractor manufactured by CASE!



It appears that in an attempt to hide the identity of the tractor, the "Baddies" had swapped over the entire bodywork from the stolen machine.



Martin contacted PANIU who identified the machine as stolen from

Once again this shows the importance and expertise of auto-crimes officers and vehicle examiners.



Norfolk Police 'Chase'

Two police cars had to be written off after two hours of chasing a large stolen dumper truck through Norfolk on Monday 20th July 2015.

The Volvo articulated dumper left police trailing for 37 miles as it drove dangerously along A-roads into Suffolk. A Ford Focus and a Volvo belonging to Norfolk police were beyond repair and a police BMW was also damaged.

The low-speed chase began at about 12.30pm in Cringleford, on the outskirts of Norwich. The truck was eventually stopped in Brandon, Suffolk, at 2.30pm. The truck was taken from a site in the village of Spixworth.

A 39-year-old man has been arrested in connection with the incident and is currently on Police bail.







































High value machines recovered as a result of a good stop!

On 21st March 2014, PC Carwyn Morris, a Surrey Roads Policing Officer, saw a Maltese registered HGV / Low Loader at Cobham Services on the M25 loaded with a 20 tonne Caterpillar 320 excavator.

Knowing that stolen plant machinery is often exported, the Officer took a closer look at the machine. The machine was bearing the serial number DHK00760. This was stamped into the machine and was also on a serial number plate on it. Telephone checks were carried out with PANIU, and the identity of the machine was queried. Checks on number DHK00760 revealed no trace on PNC and on the PANIU stolen database. PC Morris doubted the identity of the machine. The lorry driver, stated he had just collected it and provided PC Morris with details of a male called 'Paul', a mobile telephone number and an address of a farm in Bovingdon, Hemel Hempstead where the machine had been loaded.

Caterpillar UK were contacted by PANIU to see if they held any current information on the machine and advised officers that the machine with serial number DHK00760 was actually in their Cork depot in Ireland. This was physically checked on PANIU's request.

DC Elliott and Barry Mudie from PANIU then attended Cobham Services and examined the stopped machine. It was quickly found to be bearing a false identity. The stamped number had been altered, a false VIN plate attached to the machine and two false engine plates fitted. It was later confirmed to be a machine which had been stolen from Wandsworth, South London, a few weeks earlier.

The HGV driver was arrested by PC Morris for handling stolen goods and was interviewed at Guildford Police Station. He stated he had been instructed by his transport company, to pick up the excavator from a farm in Bovingdon.

He had been given the number of a site contact to call when he was nearby, so he could meet him and quide him in.

Paul Foster met the lorry driver and led him back to the farm. He assisted by loading and securing the machine, even providing some chains to help secure it to the trailer. The lorry driver was stopped later that day at Cobham Services when PC Morris came upon the lorry and machine.





False VIN plate and false stamped serial number

It is suspected that the machine was taken to Foster's yard following the theft on 3/4 March 2014 and the unique identity of the machine changed by Foster, prior to collection by the haulage company on 21st March.

Search warrants were obtained by PANIU and subsequently executed at Paul Foster's home address and the unit in Bovingdon. Notable items recovered at his home address included a slip of paper with the false Caterpillar serial number ending DHK00760 written on it as well as an invoice for 'Caterpillar yellow' paint which was dated between the theft date and the date the machine was recovered.

A Komatsu PC160 excavator was found within the workshop at Bovingdon. The serial number plate had been removed as well as the engine number label. It was suspected to be stolen and in the process of being rung. Enquiries later revealed this machine had been purchased on finance in Ireland, but when the company went into administration, the machine disappeared, with the finance company still owed over 42,000 Euro's for it.

Paul Foster dob 24/04/1947 was arrested, taken to Stevenage Police Station and interviewed regarding the matter. He stated he was a 'Plant fitter' and claimed he was approached by a business associate and asked to tidy up the Caterpillar machine for export.

Paul Foster pleaded guilty to one count of handling stolen goods on the first day of his trial at Kingston Crown Court.

He was sentenced on 22nd September 2015 and received 10 months imprisonment suspended for 2 years, a 7pm -7am curfew and £1500 costs. Both machines were recovered.







































What is Schengen?

The Schengen Information System (second generation SISII) is a pan-European database that passes real-time information from one participating country to another, in the form of alerts relating to people and property, including cars and machinery.

Most EU countries (and some non-EU) have access to SIS data. SISII data is available in the UK to all police officers, police staff and law enforcement agents.

Each member country communicates with the Central Schengen Information System in Strasbourg, which is the central hub for circulating alerts to SISII countries. It is from here that all alerts are broadcast to member states. In the UK officers create, circulate and respond to SISII alerts via the Police National Computer (PNC).

This essentially means all new UK PNC stolen circulations are now circulated throughout Europe, greatly increasing the chances of recovering stolen UK vehicles and machinery.

The system went live in April 2015. The following countries use SISII:

Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, UK.

The following countries have the same access to create or act on SISII alerts but do not have the same protocol for arrested persons.

Iceland, Switzerland, Norway and Lichtenstein.

A John Deere 6920 tractor was recently checked in Switzerland via Schengen and was immediately identified as having been stolen from Clackmannanshire, Central Scotland back in January 2010. It has been seized by the Swiss Police Authorities.

This is particularly noteworthy as Police Scotland had reinput outstanding stolen reports over 3 years old so they could be part of SISII.

Enquiries are ongoing, but clearly without the benefit of Schengen, this particular piece of machinery would probably never have been recovered. This machine was insured by AXA.



Not exact machine - Wiki Image

PC THWAITES STRIKES AGAIN!

Port of Dover / NAVCIS officer Ian Thwaites recovered a stolen Massey Ferguson tractor at Dover on 19th August 2015.

This 2013 machine had been stolen from Falkirk, Scotland between 19th -20th July.

It was on a Bulgarian registered low loader heading out of the country. It had travelled the length of England but didn't get past 'Thwaitesy'.

Well done lan!



PANIU Presentation to Hire Companies Theft/Fraud Forum

PANIU were kindly invited to the Head Offices of HSS Hire in Manchester on Thursday 17th September 2015 to do a presentation to the group on the work of the Police Plant unit and to discuss Policing issues.

Eight of the UK's leading hire companies have so far joined forces to help beat plant theft and to share best practice with the intention of reducing the level of theft of machinery and the fraudulent hire of equipment, something which is becoming increasingly more common.

The group were formed on the back of last year's CITS conference and I think it is fair to say, all are benefitting from the sharing of knowledge and intelligence between each other.

The companies currently represented are A Plant, Brandon Hire, GAP Hire Solutions, Hewden, HSS Hire Group Plc, Nationwide Platforms, Speedy Solutions and VP Plc. At the last meeting it was suggested that other major hire companies are approached to see if they also wish to have a presence at the meetings.

The groups first meeting was held at GAP Hire Solutions Headquarters in Glasgow in February 2015.

PANIU Assisted in or directly involved in the recovery of over £13.3M of stolen machinery







Hewden Hydraulic Breaker Recoveries

Hewden, which, in an industry first, came fitted with GPS trackers.

advise," said Matthew Easterbrook, senior buyer at Williams Southern.

The team at Hewden then informed tracking company, Automatrics.

investment in GPS attachment trackers.

from its site in Southampton.















Home Office





















recovery,"

Automatrics were able to trace the signal on the stolen attachment to a nearby vehicle. Police were alerted and within six hours the breaker attachment was recovered.

Hewden Hire have helped police track down two stolen hydraulic breakers thanks to its latest

The first incident occurred on 26 August 2015. The company received a report from specialist retail and

forecourt construction contractor, Williams Southern, that a new hydraulic breaker had been stolen

Fortunately for the contractor, the breaker was part of a £1 million range recently introduced by

"As soon as we became aware of the breaker being stolen, we immediately contacted Hewden to

"I was pleased to be informed that the breaker had a tracker fitted and that Hewden was confident of

"Plant theft, although thankfully on the decline, is still a major problem for contractors like ourselves" added Mr Easterbrook.

"Without the tracking system fitted to this Hewden breaker, we would have experienced a fair bit of disruption on the site, in addition to the burden of insurance claims and unwanted charges. Instead, we were able to quickly get back to work and leave the rest to the police."

The second hydraulic breaker was stolen from East London on Thursday 10th September 2015. Again Hewden quickly alerted Automatrics who located the item in the rear of another van later that day in Epping, Essex. With the assistance of DC Elliott at PANIU, the van was recovered and a male has subsequently been arrested and is on Police bail.

Hewden estimates that reported attachment theft alone could be costing the industry more than €1.4 million per year, and is calling on rental companies to follow suit and make trackers standard on all future attachment equipment.

"A lot has been done to safeguard plant equipment but very few are looking at the issue of attachment theft," said Alex Gadd, attachments manager at Hewden.

"We were the first in the industry to introduce tracking devices on all our breakers. But more needs to be done and until we're able to stop the problem completely, the best we can do is deter criminals and help locate the equipment," he added.

Detective inspector Caroline Clooney from the Plant & Agricultural Intelligence Unit (PANIU) said: "When you look at the data, it appears that the theft of smaller items, such as attachments, which are easier to conceal in vehicles are the ones on the rise. In the past we've seen hire firms come together to tackle plant theft and we applaud and support Hewden for taking the initiative with attachments too."



Breaker recovered from Epping by Automatrics / PANIU

Plant and Agricultural Machinery worth £1 million security marked in Police initiative in Knutsford



KNUTSFORD FARMERS have joined forces with Police in Knutsford to crack down on rural crime by taking part in a farm machinery security-marking day.

Machinery ranging from tractors, quad bikes, telehandlers and combine harvesters have been secured using a multi-level forensic marking system.

Each machine was fitted with a non-removable sticker, a traceable transponder, hidden microchips and 1,000 identifiable dots of "DNA water" solution which is detectable under ultraviolet light.

The event was held on Wednesday 12th August 2015 at Mere Parish Club, Knutsford, and was the first of its kind to be held in Knutsford who already have a thriving Rural Watch scheme.

It was organised by Knutsford Rural Beat Officer PC Mike Dawber, who negotiated a group discount with security firm Datatag for interested farmers. Datatag are the custodians of the CESAR security marking scheme for Plant and Agricultural machinery which is both Home Office and NPCC (National Police Chiefs Council) approved.

PC Mike Dawber said: "We have worked hard in Knutsford over the last few years to prevent the theft of plant and agricultural equipment, however other areas in the Country have seen these types of offences. The CESAR markings make the equipment very "identifiable" in that one of the identifying dots or transponders will identify the specific piece of machinery. This means it is less attractive to would-be thieves. This initiative forms part of the Cheshire Constabulary's 100 days of action in relation to Rural Crime".

The day was supported by insurer NFU Mutual who provided "laser glass etching" to the windows of each piece of machinery free of charge as a visual deterrent.

Liz Lawrence, agent at the Knutsford office of NFU Mutual based on King Street said "It is vital that initiatives such as installing the CESAR registration and etching on agricultural vehicles takes place and they are having a real impact across the country and making life increasingly difficult for rural criminals. Criminals will always move to take advantage of weaknesses and rural communities should remain vigilant and put security at the forefront of their minds. My thanks go to PC Mike Dawber who organised this and I know the farmers who attended are supportive of initiatives such as this."



































A Manitou MT1235 telehandler owned by General Contractors (Leeds) Ltd, was stolen from the Leeds area on 01/08/2015 and reported stolen to West Yorkshire Police by the owner.

About 6 weeks later, the owners of the machine saw what they believed to be their telehandler advertised for sale on Ebay. They recognised certain features from the photographs on the advert. The machine was located in North Ockendon, Essex. The local Police were contacted and requested to go and look at the Manitou. It appears they went out on two separate occasions, to examine it. Unfortunately they were not vehicle examiners and concluded that it was a different machine, as the serial number was different to that of the stolen item, so no further action was necessary.

Still believing it to be their machine, the owners were understandably frustrated and subsequently contacted Crawford's Loss Adjusters to see if there was anything they could do. Crawford's were handling the theft claim on behalf of AXA insurance and fortunately alerted PANIU.

Upon looking at the advert, it was noted that there were no CESAR plates present in any of the photographs. (Manitou have been fitting CESAR since 2010).

PANIU re-attended the premises on 15/09/15 and DC Elliott examined the machine. It was quickly established that the machine had been rung onto a false identity. The stamped in serial number was found to have been ground out and re-stamped and a false Serial number (VIN) plate had been fitted. The quality of the false stamp and VIN plate were extremely good.

DC Elliott was able to fully confirm the true identity of the telehandler using CESAR technology, confirming other serial numbers on the machine and by the owner's own unique modifications. The machine was recovered later that day. Clearly, had PANIU not been advised of this enquiry, the machine would have been quickly sold on, probably exported and never recovered.

Further enquiries are being conducted in relation to the purchase of this machine.







False serial number plate

New Member of PANIU

I would like to take this opportunity to introduce myself as the new PANIU Liaison Manager.

I have recently taken over from Barry Mudie who has now retired, and I will be looking to continue and expand upon his fantastic work with PANIU...

I started my career working in the construction industry, as UK sales manager for bridge parapets dealing with major construction projects such as Second Severn Crossing and Thelwall Viaduct. I then continued as a sales manager in the supply of industrial gasses to the scientific and commercial sector.

I joined the police service in 2003 as a uniformed constable, moving upwards to Detective where I have been engaged in major crime investigation for the last seven years.

PANIU provide a unique service to the industry and nationally to police services across the United Kingdom, and Europe.

The success of PANIU and the services we provide depend upon the close relationships we have with our donors and the industry, and I look forward to reinforcing our position as market leader in the services we provide.

Julian Crabb

Tel 020 7230 7720 Mobile: 07786 114 343

E-mail: Julian.l.crabb@met.pnn.police.uk Mailbox: Paniu@met.pnn.police.uk





Registered Police Officers can check all PANIU data 24/7 via the CESAR database on 08450 700 440







































DATATAG





Combined Industries Theft Solutions Code of Practice

The construction industry suffers annual theft losses in excess of £650 million. Items of plant and equipment in daily use on sites are becoming increasingly more valuable and complex. Although the primary target of thieves is often plant, it is not uncommon for other materials to be stolen.

The potential for loss due to intruders or malicious persons will vary from location to location or type of development. Remote locations, poor perimeter security, presence of high value plant and equipment in the open all increase the probability of loss.

A risk assessment should be made of the location in terms of the ease of access to the plant/equipment. In most instances it will be a sensible and reasonable action to ensure that access to a site of operation is restricted and plant and equipment is equipped with appropriate measures to deter and prevent theft.

This Code of Practice has been developed to assist industry in undertaking a theft risk assessment, where words appear in brackets further information is available within this document and a suggested Methodology and Worked example have also been provided.

The physical location of the plant and equipment is of primary importance. To this end CITS have identified the following four **Areas** where plant and equipment may be located:

- Depot, In Transit, Controlled Construction Sites and Open/Exposed Sites and provided a framework to allow consideration of the:
- Physical Electronic and Human measures that can be deployed to deter and

Regardless of the outcome of any risk assessment process CITS strongly recommend that:

- 1. all driven [Category A and B] plant is either:
 - a. purchased new with a minimum 3 Star Thatcham Security Rating, or
 - b. retro-fitted with Thatcham approved vehicle identification registration, numbering and covert marking system* and Category P2/P3 Thatcham approved Immobilisers
- 2. all other items of non-driven Category C to F plant and equipment are where feasible protected by the measures detailed in 1b above or other suitable and sensible devices/measures which meet the most appropriate industry standards (e.g. those created by the British Standards Institute, The National Security Inspectorate and other recognised and trusted organizations in confirmation of their quality and integrity
- 3. where plant is to be hired out, sensible and practical hiring procedures for authentication of customers are in force and audited at regular intervals in accordance with specific guidance provided by and available from The Construction Plant-hire Association.

"Should you not be able to comply with the above recommendation CITS would suggest that you contact your plant insurer to ensure that any security device or measure you have or intend to install is satisfactory to them"?

*CESAR Plant Registration Scheme

The following **Definitions** of the Four Areas where Plant and Equipment may be located

AREA 1 - DEPOT

Definition

A place where plant and equipment is securely stored when not in use or on hire.

AREA 2 - IN TRANSIT

Definition

A period of transportation between depots, controlled construction site or open/exposed sites.

AREA 3 - CONTROLLED CONSTRUCTION SITE

Definition

An area in which construction operations are taking place with

- Secured perimeter
- Active access control
- Secured outside of normal working hours.

AREA 4 - OPEN/EXPOSED/SITE

Definition

Where plant and equipment is present in an unrestricted area open to the public, e.g.

- Road side utilities
- Rail side
- Road side construction and maintenance sites

Assessing the Risk

Methodology to help assess the current risk protections for your plant and equipment

LOCATION	RESPONSE						
LOCATION	Physical Electronic Human						
Depot							
Transit							
Controlled Site							
Open Site							







































WORKED EXAMPLE

A small builder with own plant storage yard which is left unattended at night who owns two mobile diggers and occasionally hires plant in.

			RESPONSE	
LOCATION		Physical	Electronic	Human
Depot		2.3m high perimeter fence –	NSI standard alarm with yard	Lock up routine. Site visits out of
Transit		palisade or welded mesh.	perimeter detection or monitored CCTV	hours. Alarm monitoring.
Controlled Site		Single or double leaf gates of steel	for yard.	Response to alarm activation.
Open Site	CESAR Sc	construction, anti lift hinges & fitted closed shackle security padlock used out of working hours.		
	eme Registration a for all driven (Chains, padlocks 'Protective' parking. Secure overnight parking area.	Telemetric tracking system 'Geo-fence' system	Ensure plant is attended whenever possible. Plant not left at dubious unoccupied sites. Key security/Removal
	CESAR Scheme Registration and Thatcham approved immobilisation for all driven Category A and B items	2.3m high perimeter fence – hoarding, palisade or welded mesh. Single or double leaf gates of steel construction, anti lift hinges & fitted closed shackle security padlock out of working hours. Steel security containers for smaller items & attachments. Plant parked in secure area. Protective parking.	NSI standard alarm with perimeter detection or monitored CCTV for site. Access control for pedestrians & deliveries	Lock up routine. Security guards or mobile patrols. Site visits out of hours. Alarm monitoring. Response to alarm activation.
		As close as possible to Controlled Site	Monitored alarm with perimeter detection or monitored CCTV for site	As close as possible to Controlled Site depending on size of open site

Standards Recommended for consideration as Control Measures

DEPOTS

Access to the Depot should be controlled and the level and resistance of those controls will vary according to the level of risk associated with the area that the Depot is located in, the value of the assets kept there and the nature of those assets in terms of their relative portability. A combination of the following, Theft Prevention Measures should be considered:

- **■** Physical Theft Prevention Measures
- **Electronic Theft Prevention Measures**
- **■** Human Theft Prevention Measures

PHYSICAL

- Locks BS standard (padlocks to be security grade heavy duty closed shackle etc)
- Padlocking bolts
- Fencing (preferably palisade at least 2.3m high)
- Razor wire
- Gating to the same height as the walls
- Grills
- Walls (at least 2.3m height)
- Chains (heavy duty)
- Bollards
- Containers
- Depot buildings
- Anti ram raid measures (including concrete blocks, high kerbs etc)
- Anti climb measurers

ITEM

- Key security
- Chain/padlock small plant items together (or to a secure structure)
- Fit cab screens to plant
- Plant and machinery painted in corporate colours

ELECTRONIC SITE

- NSI/SSAIB Accredited alarms (to grade 3 standard)
- Remotely monitored CCTV (BS8418)
- Movement detectors linked to floodlighting
- Access control

ITEM

- CESAR Registration of all driven plant and machinery
- Immobiliser to Thatcham Category P2 / P3 standard

HUMAN

- Protective positioning / parking measures
- Security Guards (NSI / Insurance Company approved)
- Supervision
- Inspection and audit responsibilities
- Event response







































When plant & machinery is moved, there may be times when it is necessary to leave the property unattended and clearly this may create an opportunity for local thieves to take advantage of a transporter who is unfamiliar with the area and its risks. It is therefore important to consider the following Theft Prevention Measures to minimise this risk:

- Physical Theft Prevention Measures
- **Electronic Theft Prevention Measures**
- Human Theft Prevention Measures

PHYSICAL

SITE

IN TRANSIT

- Pre-plan secure parking areas for any stop-over's on route
- Ensure security of the destination during any protracted delivery period

ITEM

- Mechanical immobilisers
- Locks
- Chains
- Batteries & Fuses removed
- Blocking high value items with low value ones
- Cab screens
- Chain and padlock small items together

ELECTRONIC SITE

■ See "Depot" for assessing appropriate electronic measures associated with secure parking or secure destinations

ITEM

- CESAR Registration of all driven plant and machinery
- Immobiliser to Thatcham Category P2 / P3 standard
- Attack alarms with central station monitoring
- Thatcham Category P5 alarm telemetric tracking system

HUMAN

- Monitoring and supervision
- Bona fide Haulier
- Event response
- Effective route plan

CONSTRUCTION SITES

Use of plant and machinery on Construction Sites may propose an enhanced theft risk, especially where the owner of the property is not in direct control of access to the site. The risk of theft should be properly assessed relative to the controls in place and if required additional Theft Prevention Measures applied:

- Physical Theft Prevention Measures
- **Electronic Theft Prevention Measures**
- Human Theft Prevention Measures

PHYSICAL

SITE

- As well as the measures suggested for "Depots" the following should be considered:
- Inner compounds / zones should be established for parking up or storage when plant and machinery is not in use
- Temporary barriers (e.g. block material)
- Natural barriers offered by the sites position (e.g. rivers, canals and other land features)

ITEM

■ The level of protective measures that are sensible will vary dependent on how secure and robust the site security and control procedures are – please see "Depot" and "Open / Exposed Sites" for consideration of further measures

ELECTRONIC SITE

- On site monitored CCTV systems linked to appropriate flood lighting
- Remotely monitored CCTV systems to BS8418 standard
- Portable detector / intruder alarm systems (with on site or central station monitoring)

ITEM

- CESAR Registration of all driven plant and machinery
- immobiliser to Thatcham Category P2 / P3 standard
- Thatcham Category P5 telemetric tracking system

HUMAN

■ The level of protective measures that are sensible will vary dependent on how secure and robust the site security and control procedures are – please see "Open / Exposed Sites" and Depot for consideration of further measures











































Where there is a risk that the plant or machinery will be left unattended on a site with no formalised access controls (i.e. open to the public), item based protections are critical. Even where a compound can be established with perimeter protection item based Theft Prevention Measures are considered critical to minimising the potential for theft:

- **Physical Theft Prevention Measures**
- **■** Electronic Theft Prevention Measures
- Human Theft Prevention Measures

PHYSICAL SITE

- Where possible the measures suggested for "Construction Sites" should be considered. If this is not feasible the following are sensible measures
- Consider short term rental of a nearby secure premises
- Maximise temporary perimeter arrangements
- Install temporary compounds or barriers to restrict easy access to plant and machinery

ITEM

- Plant and machinery painted in corporate colours
- Locate plant within view of guards or CCTV system
- Key security locked safe / metal key cabinet or taken off site
- Secure small and portable items overnight in a locked container or remove from site to secure location
- Chain/padlock small plant items together (or to a secure structure)
- Fit cab screens to plant
- Block high value items in with smaller items
- CESAR Registration of all plant and machinery

ELECTRONIC SITE

■ Portable or fixed CCTV / alarm system monitored offsite and linked to appropriate flood lighting

ITEM

- CESAR Registration of all driven plant and machinery
- Immobiliser to Thatcham Category P2 / P3 standard
- Thatcham Category P5 telemetric tracking system

HUMAN

- Event response
- Regular reviews and changes to the security arrangements as site circumstances change
- Protective parking
- Staff incentives and penalties for good security practices on site
- Security focus in site management

What is the CESAR Scheme?

The Scheme provides a covert and overt identification and registration system for plant and machinery and includes the following features

- A registration service construction plant and equipment will be registered on a central database with a secure 24/7 call centre administered by solution providers Datatag
- Registration documentation issuing registration certificates which record equipment details, including change of keeper forms for subsequent owners.
- Registration will include automatic inclusion onto the DVLA off road register (ORR) for appropriate plant
- Plant Identification a system of tamperproof triangular identification plates, together with embedded, state of the art chips and tags will enable instant verification of plant details and ownership
- Security Marking advanced Datadots® and a forensic DNA solution applied to equipment enables identification of machine details and the authorised owner.

Full details of the Scheme are available on CESAR's website (www.cesarscheme.org)







































What are the Plant Categories for?

The following chart has been extracted from the Home Office Construction & Agricultural and Plant Security Guidance Document 50/07. The Categories are used by Thatcham and plant Insurers to classify and develop security and underwriting initiatives suitable to the unique features of each group.

Category	Description
А	Driven Equipment comprising Large Tracked and Wheeled Machines greater than 3 tonnes
В	Driven Equipment comprising Compact and Smaller Driven Equipment less than 3 tonnes
С	Non-Driven Equipment and Towed Plant with Axle
D	Non Driven Mobile/Portable Attachments and Equipment
Е	PowerTools
F	Non-Powered items

Examples of best practice in securing equipment





If leaving mini excavators remove from trailer, slew cab and extend boom arms. Use immobilisers and/or hydraulic locks. This makes the machine impossible to remove or lift away. Note the use of CESAR registration and corporate livery. Criminals dislike stealing this type of equipment due to expense of repainting equipment.



When leaving equipment overnight on sites secure compressors under boom arms of mini excavators then use immobilisers or hydraulic locks to



Secure equipment together preventing either being lifted or dragged away. Use immobilisers and/or hydraulic locks with chain and padlocks.



For attachments and buckets weld plant numbers and company logos/ details to aid identification.



Make the thieves life harder. Equipment removed from trailer and boom arms extended and immobilisers and /or hydraulic locks set preventing ease of theft.



Secure trailers and equipment to each other or to road furniture. Lift all chains from ground to prevent easy attacks and purchase for cutters/bolt croppers. Invest in good quality approved chains and padlocks.



Boom arms and legs extended and immobilisers and/or hydraulic locks set. This telehandler now becomes nearly impossible to remove quickly

And how not to do it!



This machine will be stolen in a number of seconds.. not locked and no hitch lock installed. An expensive mistake.



Obvious but you would be surprised how many people will do it! You don't leave your keys in the transit van but this scene is a familiar sight.



































Who are Thatcham and What do they do?

The Motor Insurance Repair Research Centre or Thatcham as they are widely known was established in 1969 by British Insurers. The Centre is independently operated with a Board of Directors drawn from amongst the 31 insurer members who fund their work.

Thatcham is a not-for-profit organisation. Their main aim is to carry out research targeted at containing or reducing the cost of motor insurance claims, whilst maintaining safety and quality standards. Collaboration with vehicle and security equipment manufacturers has brought about a major reduction in UK vehicle (mainly car) crime. The Thatcham security testing regime is considered to be one of the most rigorous in the world and acts as a model for crime prevention efforts internationally.

At the request of PANIU and in conjunction with CITS members and the main UK insurers of plant and agricultural equipment, Thatcham, under the adopted title of "The Vehicle Security Steering Group-Plant (VSSG- P) have developed a 5 star security assessment and rating system for security devices/ systems which can be fitted to plant at the time of manufacture or aftermarket retro-fitted thereafter and which are fully tested and proven to resist theft of construction and agricultural plant.

*5 Star Rating	1st ★	Vehicle identification & registration (CESAR Scheme)	
	2nd ★	Unique Key	*[3 Star Rating]
	3rd ★	Category P2 / P3 Immobilisation device	
	4th ★	Peripheral security (cab / window locks)	
	5th ★	Category P5 After-theft tracking systems	

With many machinery manufacturers now meeting, the minimum 3* standard, at point of production, Thatcham continue to engage with machinery manufacturers, Insurers, Security product providers & the police to ensure that their security rating is as up to date as possible.

Full details of the Thatcham VSSG-P initiative are available on their website: www.thatcham.org

FIGHTING RURAL CRIME WITH CESAR-IT DAY IN MERE, CHESHIRE

Feature video from the CESAR-IT Day in Mere, Cheshire featuring interviews from Assistant Chief Constable Mark Roberts, Chief Inspector Sarah Heath, Andrew Millington (victim of crime) Ray Brown from NFU Cheshire (also a victim of crime) and Mike Dawber who is a rural beat officer.

https://www.youtube.com/watch?v=s4std3c1Q_o



DATATAG TEAM SUPPORT SUFFOLK POLICE

Datatag's Police Liaison and Training officers Nick Mayell and Vince Wise recently shared their extensive security knowledge and expertise with serving police officers from the Suffolk Constabulary during a three week training programme in partnership with AITS training school.

Twelve officers from the Norfolk and Suffolk Roads Policing Units attended the three week 'Roads Policing Skills Course' held at Suffolk Police HQ. As part of the course they had



input from Nick on plant theft and identification and from Vince on vehicle theft and recognition which served as a 'taster' to the full courses run at the AITS training school, in Cirencester, Gloucestershire.

FARMER TRACKS STOLEN QUAD BIKE TO BACK STREET USING **SATELLITE SIGNAL**

Source: http://www.lancashiretelegraph.co.uk

A FARMER has recovered his stolen quad after following a satellite signal to Burnley. PC Keith Sandham said it shows the benefits of fitting tracking devices to vehicles and equipment. "Fortunately the quad was recovered the following day by the owner from a back street in Burnley. This was entirely due to the fact that it is fitted with a 'tracker' device."



To read the full articles go to: http://www.cesarscheme.org/News.html



The Official Construction and Agricultural Equipment Security and Registration Scheme

HALL OF FAME



For further information contact us on: 08 450 700 440

www.cesarscheme.org | enquiries@cesarscheme.org







PANIU - THE PLANT & AGRICULTURAL NATIONAL INTELLIGENCE UNIT



If you have any information on the theft of machinery or require advice, then contact: **Plant & Agricultural National Intelligence Unit**

Did you know...

- The Plant and Agricultural National Intelligence Unit is a specialist Police Unit whose remit is to assist Police and other law enforcement agencies with the identification of stolen plant or agricultural machinery.
- We offer support and advice to help you identify any type of plant or agricultural machine.
- We maintain the most accurate police database of all stolen machines throughout the UK.
- We record all national theft data and have access to the PNC and the majority of plant insurers and manufacturers loss data.
- We offer advice, intelligence and statistical information regarding organised criminal networks working
- We can provide suitable 'sting' vehicles including tractors and excavators at nil cost.
- We provide specialist police examiners for pre planned operations.
- We provide training and advice to officers around identification and investigative techniques





Registration

Scheme,

The Official Security &

PANIU promote the CESAR registration scheme identified by any person without the need for CESAR was created as a direct result of police highlighting the difficulties they faced when dealing with equipment theft.



You can contact PANIU during office hours by ringing 0207 230 7290 Julian Crabb - Liaison Manager - Tel: 0044 (0) 7786 114 343 or email: paniu@met.police.uk

Out of these hours the PANIU stolen equipment database can be accessed by Police by ringing CESAR on **08 450 700 440** 24 hours a day!

PANIU is staffed by Police Officers there to help You!

NATIONALINA

Plant Theft - The Real Truth

PANIU is a specialist police unit dedicated to reducing plant theft in association with:

Home Office



Association of Chief Police Officers











Agricultural Engineers Association



Construction Plant

0800 555 111











Plant Theft Action Group

It would not have been possible without the assistance and funding help specifically from:































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