

# **Cyber Event Claims Management**

**Crawford Cyber Solution** 



### **Crawford & Company**

### World's largest publicly listed independent provider of claims management solutions

#### Organized across global service lines:

- ✓ P&C adjusting solutions (Crawford Claims Solutions)
- ✓ Large or complex claims (Global Technical Services)
- Global TPA solutions (Broadspire)
- Managed repair services (Contractor Connection)









Two parallel and complementary service models



Global Incident Response and Loss Adjusting Key components comprise 24/7 FNOL, access to our accredited Incident Managers and contracted Experts. This solution is primarily positioned for the Global Corporate market or for larger risks.



SME Incident Response and Claims Management – This model mirrors the Global Incident Response but builds in additional desktop Claims Management capabilities delivered at a local level. In developing this solution we recognise the need for effective and efficient response, whilst still providing access to the services needed to respond to the more complex incident.

- Launched in 2015
- Innovative, first to market
- ✓ Truly global, scalable
- Rapid growth, over 30 carriers
- Over 1,000 cyber claims handled to-date

#### **Complete End-to end Turnkey Solution**



### First Notification of Loss

- Single global intake centre
- Dedicated telephone number
- Available 24/7/365
- 200 languages
- Guaranteed response



#### Claims Management

- Dedicated, centralised resource
- Trained and experienced team
- Triage to specialists as required
- Management of claim



#### Crawford Incident Manager

- Single coordinator
- Selected individuals
- Triage to specialists as required



### Specialist Provider

- Contracted network
- Extensive range of services
- Best-in-class
- Experienced
- Fast response
- Completed due diligence



### One Global Process

- Timely
- Consistent
- Flexible
- Solution driven
- Global breadth

Backed with a £50m liability cover



### Response during critical first 48 hours

FNOL 5 HRS 24 HRS 48 HRS

24/7/365 notification

Incident manager appointed

First response to Insured

**Appoint specialists** 

Triage call/s with stakeholders

Commence investigations

Immediate mitigations

Policy coverage reviewed

Clear discovery plan emerges

Investigations well underway

Initial indications emerging

Immediate mitigations work continuing

Regular updates to stakeholders

Initial investigations concluding

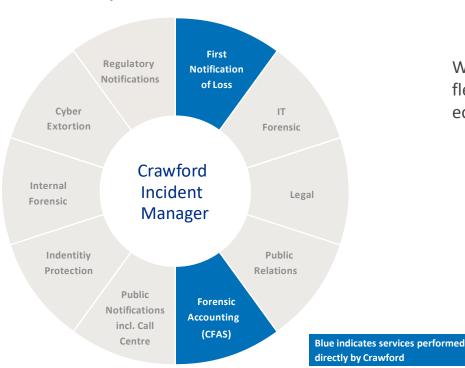
Regular updates to stakeholders continuing

Policy coverage view emerging

Immediate mitigation work maturing

Clear solution plans emerging

### Crawford Cyber Solution Wheel



We aim to provide a timely, consistent and flexible response which is solution driven, economic and expert-led.

# Types of Cyber Incidents

### Types of cyber incidents:

- 1. Denial-of-service (DoS) and distributed denial-of-service (DDoS) attacks
- 2. Man-in-the-middle (MitM) attack
- 3. Phishing and spear phishing attacks
- 4. Drive-by attack
- 5. Password attack
- 6. Eavesdropping attack
- 7. Malware attack

### The cyber attack

- ✓ Design, manufacture and erection of structural steelwork
- ✓ Worldwide client base 10 manufacturing plants
- Centralised computer system in UK 3D design system
- ✓ Robotic machinery
- ✓ 1 April 2018 cyber attack, all files are encrypted
- ✓ Ransom demand for £250,000

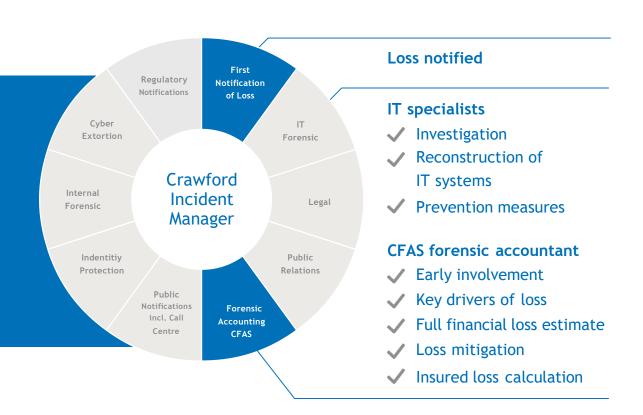




#### The Crawford team

# File coordinated by Crawford Incident Manager

- ✓ Addressed immediate needs and assembled the team
- ✓ Coordination of response
- Communication to stakeholdersLoss mitigation
- Worked closely with claims handler to reach resolution



### **Key considerations – loss mitigation**

- ✓ What became apparent very quickly was the risk of a large uninsured loss
- Management of expectations around coverage
- Maximise loss mitigation and minimise uninsured financial impact for the policyholder
- Expert advice to inform broader decisions – legal/regulatory obligations, operational drivers, and reputational risk





### The Insured's business

- Sales made through long term tendering process
- Contract based sales
- Penalty clauses for delays



### The Cyber BI policy

- Net profit basis
- Three month indemnity period
- £5 million limit per loss (+ sub-limit)

**Key considerations – quantum aspect** 





- ✓ Published financial statements
- ✓ Discussions with Insured



#### **Loss of sales**

- **✓** Quantify
- **✓** Support



#### **Policy considerations wording**

- ✓ Net profit wording potential overlap between BI and other policy sections
- ✓ Ransom demand
- ✓ Policy sub-limits

#### **Lessons learnt**



#### Benefit of using core forensic accounting skillset

- Unbiased evidence-based approach
- ✓ Detailed review
- ✓ Accountancy and industry knowledge



#### **But fully integrated with Crawford Cyber Solution**

- Crisis Management
  - ✓ Mitigation of key business risks
- ✓ Collaborative proactive approach
- ✓ Good knowledge of product and engagement on policy issues

### **The Cyber Attack Victim**

- ✓ Engineering, procurement and construction for the energy sector
- ✓ Listed on London Stock Exchange
- ✓ Annual gross revenue circa USD 300 million
- ✓ Global client base: Middle East focused operations (onshore & offshore)
- ✓ Centralised computer system based in the UAE Head Office: advanced network with strong security protocols

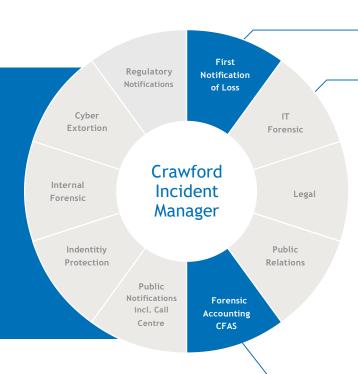
### **The Cyber Attack Vector**

- ✓ 18 June 2019 cyber attack, all servers encrypted (McAfee) Workstations (Ma∥warebytes) unaffected
- ✓ Ransomware attack (RYUK) no demand posted, only contact details for attackers
- RYUK is specially engineered to target enterprise environments creates a privileged user account to spread ransomware to individual hosts within the network. Spread by TrickBot via email (spam) or Emotet malware
- ✓ Information encrypted and backup files deleted decryption software can be obtained from attacker with ransom payment no guarantee it will be provided decryption process is labour intensive and complicated

#### The Crawford team

#### **Incident Manager**

- ✓ Addressed immediate needs and assembled the team
- ✓ Coordination of response
- Communication to stakeholders
- ✓ Loss mitigation
- Liaise with claims handler to update on incident and address potential issues



Loss notified: BC & FNOL

#### IT specialists: Mandiant

Investigation: attack vector & system impact - 3 weeks

Reconstruction of IT systems - 4 weeks

Prevention measures - ongoing

#### **CFAS** forensic accountant

Early involvement

Identification of key loss drivers

Assist with preparing loss estimate

Loss mitigation measures

### **Key considerations**

- ✓ It quickly became apparent that this was a large scale incident with infiltration of entire system complete disruption to operations
- Management of expectations around coverage
- Maximise loss mitigation and minimise uninsured financial losses
- Expert advice to inform broader decisions – legal/regulatory obligations, operational drivers, and reputational risk





- Contract based projects
- Penalty clauses for delays and nonperformance
- Future projects secured through long term tendering processes



#### The Cyber policy

- Gross profit / gross earnings / net income basis and extra expense
- 180 Day indemnity period
- USD 10 million limit per loss
- Comprehensive cover

### **Key considerations – quantum aspect**





- ✓ Network disabled but eventually mostly restored from backups except 2 no. servers
- ✓ Data loss contractual and operational information relating to an ongoing contentious project
- ✓ Commercially sensitive lost (tender bid information)



#### **Business Interruption**

- ✓ Difficulty in quantifying impact to business as all divisions and multiple projects affected
- ✓ IM & CFAS supporting Insured with identifying insured and uninsured losses
- ✓ Ransom demands being investigated to recover essential lost data



#### **Policy considerations wording**

- ✓ Income loss to be calculated by one of three methods detailed in Policy
- ✓ The potential BI losses (delay penalties) will mostly be realised after the indemnity period expires

### **Lessons learnt – claim ongoing**



#### **Benefits of vendor panel**

- ✓ Collaborative proactive approach led by IR.
- Specialised consultants provide expert response to obtain best outcomes – IT forensic, legal and accountants / BI specialists
- ✓ Excellent support and guidance for Insured

- ✓ Crisis Management swift response by specialists
- ✓ Loss mitigation measures insured and uninsured

# **Crawford Cyber Solution Contacts**







### **Derek Patterson**

Regional Technical Director Middle East

T: +971(0) 4 223 6370

M: +971(0) 50 455 0870

E: derek.patterson@crawco.me

### **Eddie Walsh**

Middle East Regional Cyber Lead

T: +971(0) 2 622 8114

M: +971 (0) 56 153 4770

E: eddie.walsh@crawco.me