



# CLEEVE CONNECTION

Published Monthly by Cleeve Technology International | [cleevetech.ca](http://cleevetech.ca) | July 2019

## This Month's Features

**A Contract is a Contract**

**The Truth**

**Umbrella Bandit**

**Time to Kill**

**3D Printing**

**DSEi**

**Single Use Items**

**Heat Shrink or Over-mold**

**MEGA Deal**

**CCCM**

**Well Endowed**

**This Month in History**

**FOT Wall**

**Quote of The Month**

Quick Links:

[Cleeve's Corporate Overview](#) | [Contact Cleeve](#)



[www.cleevetech.com](http://www.cleevetech.com)

*Have a great summer!*

*To all our customers, suppliers and friends*

And when you have a few minutes to spare,  
Ask a friend or colleague why a round pizza  
is supplied in a square box and is then cut into triangles in order to eat  
it.

## A Contract is a Contract!

An Ontario, Canada, court has ruled that a man who had unprotected sex after agreeing to wear a condom committed sexual assault because his behaviour invalidated his sexual partner's consent.

In a recent ruling, a judge found the man's actions amounted to fraud

and caused a significant risk of serious bodily harm.

The Ontario Superior Court Justice said not wearing a condom against another person's wishes usurps that individual's sexual autonomy and their right to make decisions about how they engage in sexual activity.

The "couple" met on a dating website and arranged to meet at her home for a sexual encounter a few days later.

Prior to their meeting, the woman texted the guy to tell him condoms were mandatory and that "no means no."

And the guy agreed to those terms by return text (so in writing i.e. a contract).

You can likely figure out what happened when they met!

And the guy may now end up in prison, where other prisoners will not take no for an answer and he won't get it in writing!



[Like](#) and [Follow](#) us for first glimpse access to new and existing product info, company news and trade show locations.

## Go Away Little Boy!

***THIS is what really happened.***

Some years back Cleeve was awarded a large contract to manufacture harness assemblies for use on Canadian Military vehicles.

In part, Cleeve was awarded the multi-million dollar contract because we were the lowest priced compliant option, but a number of other companies also bid on this specific contract.

After the contract was awarded to Cleeve, we looked to improve delivery by buying the exact cable we needed from one of the biggest defence contractors in the world (we are talking about a company 1000 times the size of Cleeve), who happened to have this very cable in stock (with no immediate need or use).

This very large defence contractor was willing to sell their surplus cable to Cleeve but not at the same price that Cleeve could buy it direct from the cable manufacturer.

Cleeve tried very hard to work with this HUGE company on this project as it would help out Canada (and as Cleeve had purchased surplus cable from them in the past), we tried to explain to them that we had no room to pay a premium over what had been used to win the contract in the first place.

NOW as it turned out, this very same huge defence contractor had also quoted to win this very same contract for harness assemblies and as they had "lost" the contract to Cleeve .....they were not happy campers.

So this huge defence contractor that builds and supply's ships and tanks and aircraft,  
"lost" a contract to supply harness assemblies  
to a Harness assembly shop....

And now they NO LONGER do business with Cleeve!



*Watch out next month for some more of the "go away little boy" tales!*

## Umbrella Bandit

A man in Canada was recently caught on video robbing a bank.  
Instead of using a ski mask or hood to hide his face, the robber got a little more creative.  
He robbed a bank by using an umbrella!

He covered his face with a massive blue umbrella and somehow,  
he managed to pull off the heist.

Now, police are actively searching for the suspect  
and asking for the public's help to identify this mystery man.

The incident took place at a bank in British Columbia,  
where the man walked into the bank with the umbrella on his head.  
He then approached one of the tellers and threatened them.

His bank robbery was a success as he left the building with stolen cash  
And here I've spent my whole life thinking it was bad luck to open an umbrella indoors.

The basic umbrella was invented more than 4,000 years ago.  
There is evidence of umbrellas in the ancient art and artifacts of Egypt, Assyria, Greece, and China.  
These ancient umbrellas or parasols were first designed to provide shade from the sun.  
That is until they found their way to England!



## So Much Time On My Hands

My drive to work now takes half an hour each way less than it did a couple of year ago  
because of a new toll highway that has been built.

I also have an electronic communications device (I call it my cell phone)

I also have an electronic communications device (I call it my cell phone), which allows me to do instantly and from one device, what used to take me forever using multiple devices.

Even watching a movie at home is now click, click and I got it.

I can pause for a "P" (or while I grab a cold beer), fast forward, even fall asleep and then catch what I missed the next day.

Whereas only a few years ago I had to drive into town to the Jumbo Video store and some two hours later make it home with a rented movie I soon found I did not like.

So, this leads me to the question I ask myself all the time.

What am I doing with all this extra time?

As it seems to me I am just as busy as ever!!!

(and before you say it, this newsletter only takes me about an hour a month)



## 3D Printing

A figure of a roaring lion, about the size of a loaf of bread, is the latest step in the fight to preserve *culture from conflict*.

The sculpture is a replica of a colossal 3,000-year-old statue from the Temple of Ishtar in Nimrud, in what's now Iraq.

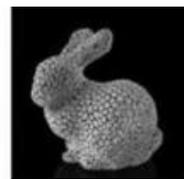
The stone statue was one of many artifacts from the Mosul Museum destroyed by the Islamic State group after it overran the city in 2014.

The replica Lion of Mosul was modeled from crowd-sourced photos taken by Museum visitors. They have a 3-D printed exhibition that "highlights the potential of technology," which will include this 3-D model and many more will soon take place in London, England

Culture has long been a casualty of conflict and is often deliberately targeted by combatants.

We are still at the very early stages of seeing what 3-D printing can do and what will one day be taken for granted.

3-D printing for much of the electrical interconnect on an aircraft or even a car is not that far away, and I mean printing it right into the manufacture of the fuselage or body!



## DSEi/DEFSEC

DSEi is the world's largest fully integrated defence and security exhibition that brings together the entire industry to source the latest equipment and systems, develop international relationships, and generate new business opportunities.

Canadian federal departments and agencies will participate to support Canadian companies pursuing global business opportunities.

The Canadian Association of Defence and Security Industries will be coordinating Canada's participation at the event including the Canada Pavilion.

If your travels will see you in London, England this September 10-13,  
and if by chance you are heading to the DSEi show,  
why not let us know?

We would love to get together for a chat!



***Meanwhile:***

BAE and Rheinmetall launch combat vehicle JV,  
one of Europe's largest military vehicle groups aims to capitalize on investment.

BAE Systems and German partner Rheinmetall launched a combat vehicles joint venture  
with the aim of capitalizing on what the industry hopes will be a period of much-needed investment in the sector.

The joint venture, called Rheinmetall BAE Systems Land, will be one of Europe's largest military vehicle groups.

BAE has sold a 55 per cent stake to its German counterpart for £28.6m,  
a move it said would preserve some 450 jobs as well as vital engineering capabilities in Britain.

The combined company will initially design and manufacture vehicles primarily for the UK,  
including the new Military Infantry Vehicle (MIV) Boxer for the British Army  
and hope to be successful in a competition to upgrade the Challenger tank.

BAE and Rheinmetall were originally competing against each other for the Challenger upgrade contract.

Under its proposal, most of the work would be done in the UK but the upgraded tank  
would have a German smoothbore cannon.

A range of programs to update Britain's combat armoured capability are under way after years of under-investment.

Challenger 2 has been in service without a major upgrade since 1998.

During this time the US, Germany and Denmark have completed two major upgrades,  
whilst Russia has fielded five new variants with a sixth pending.



AND what about the Air-Force you may very well ask?

Well, the first Airbus C295, purchased by the Government of Canada for the Royal Canadian Air Force's  
Fixed Wing Search and Rescue Aircraft Replacement (FWSAR) program, has completed its maiden flight.

The aircraft, designated CC-295 for Canada, took off from Seville, Spain,  
on July 4, and landed back on site one hour and 27 minutes later.

Delivery of the first C295 is scheduled to take place by the end of 2019  
when the Royal Canadian Air Force (RCAF) will begin operational testing.

The contract was awarded to Airbus back in December 2016,  
including 16 C295 aircraft and all In-Service Support (ISS) elements like training and engineering services,  
the construction of a new training centre in Comox, British Columbia, and maintenance and support services.





## Bourbon Street

Part of a bourbon warehouse in western Kentucky collapsed during a thunderstorm.

The partial collapse of the O.Z. Tyler Distillery is where around 20,000 barrels are stored and it appears that about 4,000 were affected.

Officials say no one was hurt but a nearby road was closed for cleanup.

Another Kentucky bourbon barrel warehouse collapsed last year. Half of a warehouse collapsed at the Barton 1792 Distillery in Bardstown and the other half came down two weeks later.

Maybe that is why they call it a tipples?



## Heat Shrink Vs Overmold

Many people reading this little newsletter know that Cleeve supply much more than just wire and cable or connectors and electrical harness assemblies.

But have you ever looked to Cleeve for over-molding ?

You likely know we use heat shrink boots to provide sealing and strain relief and mechanical protection, but our over-mold options also have excellent performance including adhesion to a wide variety of substrates. Our over-molding product line includes a variety of technologies. When working with Cleeve, you get the benefit of a world-class application development team with component design knowledge and valuable tooling input. We also have creativity in molding process knowledge and material combinations and compound development to meet specific application requirements.



## Another MEGA Deal

### Harris Corp. and L3 Technologies set to merge

Harris and L3 said their approximately \$34 billion merger remains on track to close around the time forecasted. The company will take the name L3Harris Technologies, Inc., and will trade on the New York Stock Exchange as LHX.

Harris CEO expects L3Harris Technologies will reach \$3 billion in free cash flow in three years.

The tie-up, worth \$33.5bn, is the defence industry's biggest-ever merger.

L3 Harris will become America's sixth-largest defence firm.

Harris's CEO sees two big benefits.

First, cost-cutting will save \$500m a year,

\$300m of which it promises to return to customers such as America's Department of Defence by reducing prices.

Second, combining the two firms' technologies should help them to come up with new products.

The deal will form a "dream team" of defence firms, says a consultancy research firm.

L3's expertise in sensors and Harris's communications equipment could be used to develop the most sophisticated hi-technology solutions in the world.



## Canadian Connectivity Country Manager (CCCM)

Here is his contribution for the July 2019 Cleeve Newsletter

*Dear Cleeve Editor,*

I was walking down the street, not far from my office when I had the following experience.

Let me first set the stage.

It was day light and visibility was very good.

It was a little after noon which is my usual time to go for a walk and get a bite to eat, after my earlier morning constitutional.

(Yes, even we country manager have to do that)

Anyway, I noticed that everyone was either crossing the street to avoid me, or turning around and heading back in the direction they came and knowing you are not one to shy away from telling me "The Truth" can you please shed some light on why this happened.

**Answer from the editor:**

Couple of possibilities but maybe your letter tells all.

Having met you myself and therefore knowing what a handsome young man you are, clearly just seeing you was not the reason.

And as you have suggested this has not happened before and as you said you had recently taken your morning constitutional maybe you did that after you left the office?



## Changes At The Top

Vice Admiral Ben Lloyd turns over command of the RCN to Vice Admiral Art McDonald

Vice-Admiral Ron Lloyd turns over command of the RCN to Vice-Admiral Art McDonald during a Change of Command ceremony presided over by General Vance, Chief of the Defence Staff. VAdm Lloyd retires after three years as Commander of the Royal Canadian Navy as part of his distinguished 38 year naval career.

Vice-Admiral McDonald assumed Command as the 36th Commander of the Royal Canadian Navy. He has served in a variety of command and staff roles throughout his career, most recently serving as Deputy Commander of the RCN.

Canadian sailors are globally deployed, supporting Government of Canada priorities and making significant contributions to operations with allies and trusted international partners.

The RCN currently has ships deployed on international operations throughout the world, including in the Mediterranean, Asia-Pacific and the North Sea.



## Good Bye California Coastline?

A 6.4 magnitude earthquake rattled Southern California earlier this month and officials said it was the largest to hit the region in 20 years.

The quake struck near the city of Ridgecrest, which is located about 160 miles northeast of Los Angeles.

The United States Geological Survey said the quake was initially given a magnitude of 6.6, but was later revised to 6.4. The quake was felt more than 150 miles away in Los Angeles.

This was the largest quake to hit Southern California since 1999 and an eerie reminder of the 1994 Northridge quake.

That magnitude 6.6 earthquake killed at least 57 people and caused billions of dollars in damage.

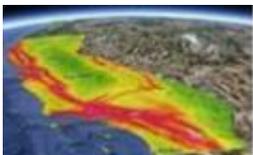
But it was far from the biggest in a state that was home to five of the ten biggest quakes on record in the lower 48 U.S. states.

This shake-up was one of the largest to strike northern California since the magnitude 6.9 Loma Prieta quake in 1989.

But quakes of magnitude 6.0 and greater are not uncommon along California's network of faults, notably the San Andreas.

The Fort Tejon quake of 1857 was a magnitude 7.9 and is often compared to the devastating 1906 San Francisco earthquake,

It has long been suggested that "THE BIG ONE" will one day move the California coastline in land by miles!



## Frontline Article:

Top Defence Capability Leaders 2019  
Cleeve Technology Incorporated

© 2019 FrontLine (Vol 16, No 2)

Cleeve Technology specializes in the manufacturing and supply of electrical interconnect for the aerospace and defence industries.

With a passion for innovation, this Canadian SME offers the kind of in-house capabilities, qualifications and accreditations necessary to support customers' needs for the most demanding environments.

Established in 1999, Cleeve initially focused on supplying electrical interconnect components and materials to the aerospace and defence sectors, but soon transitioned to providing complete wired and tested assemblies and systems from its Canadian operating companies located at multiple sites in Canada as well as its facilities in the UK.

Success in the aerospace landing gear sector with dressings and electrical design allowed Cleeve to become "risk-sharing partners" where they now invest in design, engineering and testing to validate electrical connectivity systems.

The Government's new defence policy "Strong, Secure, Engaged" represents a new vision and approach to defence, and Cleeve President Paul Church says the company "can offer huge potential for IRB obligors."

Over the past 20 years, Cleeve has developed a strong presence in the defence industry on just about all platforms that move - ships, tanks or aircraft - and on any of the systems that are used on them. Cleeve has been selected by major defence OEMs as a supply partner for a wide range of products and services in support of large DND projects. Their products also work on commercial or industrial platforms, although with different performance requirements.

From weapon systems to communications systems, to radar and data acquisition systems, right down to basic electrical supply - they all need wire and cable to connect it all together, and this "interconnect" is where Cleeve Technology shines. Looking at a modern war ship such as the Canadian Surface Combatant (CSC) that will soon be under construction in Halifax, we find that miles and miles of cables are required to connect everything together. While fiber optics and multiplexing and wireless options are being used extensively, the need for amps and volts requires copper wire and connectors. Then there is the power required to drive the engines and related systems - the really BIG cables - and even the cable needed to connect degaussing systems.

#### Degaussing Systems

To explain "degaussing" in simple terms, think of a steel-hulled ship as a huge floating magnet with a large magnetic field surrounding it. As it moves through the water, this field adds to or subtracts from the Earth's magnetic field. Those distortions can be detected by magnetic-sensitive ordnance or other devices. A degaussing system will reduce the ship's effect on the Earth's magnetic field by controlling the electric current flowing through degaussing coils wound in specific locations within the hull. This, in turn, reduces the possibility of detection - a critical protection mechanism.

There are several different types of degaussing systems used by the navies of today. The basic differences between them can be characterized as to what type of power supply they use, and what type of control circuitry they use. For example, some units use silicon-controlled rectifier solid-state power supplies while other systems use motor generator sets or a mixture of the two.

To find out more about degaussing or Cleeve's various products, services or capabilities, contact a Cleeve representative.

#### Contact Info

716 Colonel Sam Drive, Oshawa ON, L1H 7Y2

Contact: Paul Church, President

Email: [paul.church@cleevetech.com](mailto:paul.church@cleevetech.com)

Tel: +1-905-579-9502

Web: [www.cleevetechnology.ca](http://www.cleevetechnology.ca)

# Dr. Cleev-ous is Back Again

That's not my age; it's just not true.  
My heart is young; the time just flew.  
I'm staring at this strange old face,  
And someone else is in my place!  
It seems just yesterday I was out playing ball,  
But the years've gone by, in no time at all,  
40 plus years in wire and cable,  
I hope to continue for as long as I'm able

Connectors and backshells and conduit too,  
All things I am hoping I can sell to you,  
But if you only buy from young folk, then what can I do?  
Maybe sell newsletters with pictures to view,  
Or hot dogs I can cook on my own barbecue,  
Or if you don't like hot dogs then maybe kangaroo,  
But that may just result in a rush to the loo,  
And the rest I am sure you know what to do!



## This Month in History

**July 16, 1945**

The experimental Atomic bomb "Fat Boy" was set off at 5:30 a.m. in the desert of New Mexico desert, creating a mushroom cloud rising 41,000 ft.  
The bomb emitted heat three times the temperature of the interior of the sun and wiped out all plant and animal life within a mile.

Of course, if invented today it would need a new name.  
**"Slightly heavier than ideal person"** maybe?



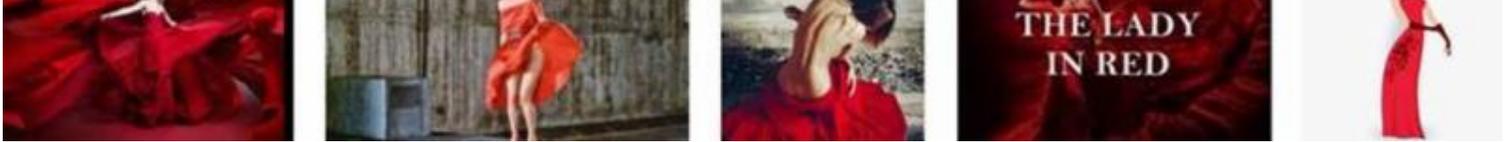
**July 22, 1934**

Bank robber John Dillinger (1902-1934) was shot and killed by FBI agents as he left Chicago's Biography Movie Theater. Dillinger was the first criminal labeled by the FBI as "Public Enemy No. 1."

After spending nine years (1924-1933) in prison, Dillinger went on a deadly crime spree, traveling through the states.

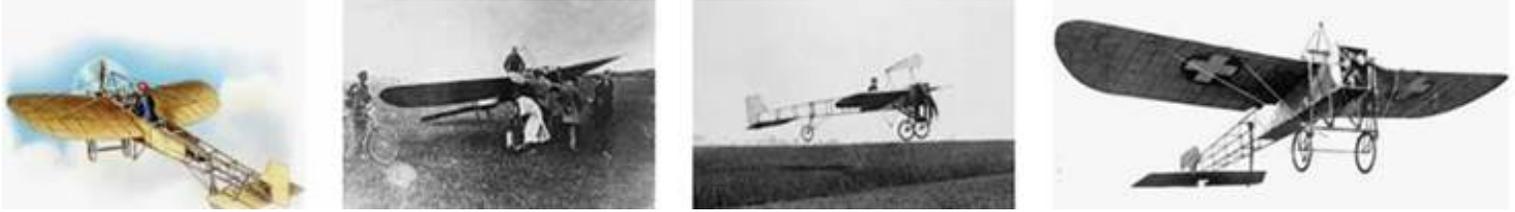
He was reportedly betrayed by the "Lady in Red."  
(she was not dancing with him)





### July 25, 1909

The world's first international overseas airplane flight was achieved by Louis Bleriot in a small monoplane. After asking, "Where is England?" he took off from France and landed in England near Dover, where he was greeted by British police. Who gave him a bag of pretzels and some peanuts.



### July 28, 1943

During World War II, a firestorm killed 42,000 civilians in Hamburg, Germany. The firestorm occurred after 2,326 tons of bombs and incendiaries were dropped by the Allies.



### July 31, 1790

The U.S. Patent Office first opened its doors.

The first U.S. patent was issued to Samuel Hopkins of Vermont for a new method of making pearlsh and potash.

The patent was signed by George Washington and Thomas Jefferson.

The First English Patent for an Invention was in 1449.

Henry VI of England granted the earliest known English patent for invention to Flemish-born John of Utynam through an open letter marked with the King's Great Seal called a Letter Patent

This got me looking for the original brew master or maybe a patent on beer but it's difficult to attribute the invention of beer to a particular culture or time period, although the world's first fermented beverages most likely emerged alongside the development of cereal agriculture some 12,000 years ago.



## FOT Wall!

### FOT Wall (Fly On The Wall)

*The year 1066 and the location is Medieval England.  
King Harold is high on a hill (in hiding really) watching a battle going on below.*

*The fly is listening in on a conversation between the king and "his assistant"*

**King Harold:** *Who is that chap on the horse with the long hair?*

**His Boy:** *They all have long hair your majesty but I believe you mean William the Conqueror*

**King Harold:** *Why is he killing all our farmers and software engineers?*

**His Boy:** *It is what happens in battle your majesty, and you did refuse to his terms of surrender.*

**King Harold:** *Where is that fellow who wants a patent on that thing he calls a machine gun?*

**His Boy:** *You said you were too busy to meet with him your majesty*

**King Harold:** *What is that coming right at me.....arrrr, my eye, my eye!*

**His Boy:** *.....Can I have your shoes your majesty? Long live the King!*



## Vertically Integrated Solutions

Download Cleeve Technology International's Vertically Integrated Catalogue:  
[Vertically Integrated Solutions](#)

## Quote of the Month

"Be who you are and say what you feel,  
because those who mind don't matter and those who matter don't mind."

Bernard M. Baruch said it but he had me in mind when he did so!

## Cleeve. Experience You Can Trust!

### Our Mission

We provide high quality, zero risk electrical interconnect solutions through research, innovation and skilled expertise for use in harsh and challenging environments, such as the aerospace and defence industries, thus allowing our customers to focus on their own core interests and capabilities.

### We Want To Connect With You!

Our knowledge and familiarity with products and assemblies enables us to support the integration and supply of electrical interconnect components and assemblies that meet customer and program requirements in Canada and internationally.

We are confident that we can provide qualified and cost effective solutions, products and assemblies for your applications and requirements and welcome an opportunity to discuss your needs.

Our team of experienced professionals will work with you to ensure your interconnectivity needs are met the highest level of industry standards and requirements

Connect with any one of our representatives below to discuss your needs. Whether you need for a simple quotation or if you are ready to move forward with a complex build, we standing by, ready to assist!

<b>Paul Church, President</b>	<a href="mailto:paul.church@cleevetech.com">paul.church@cleevetech.com</a>
<b>Sandy Morgan, Accounting</b>	<a href="mailto:sandy.morgan@cleevetech.com">sandy.morgan@cleevetech.com</a>
<b>Jeff Pettit, Western Canada Sales</b>	<a href="mailto:jeff.pettit@cleevetech.com">jeff.pettit@cleevetech.com</a>
<b>Dee Conway, Sales</b>	<a href="mailto:dee.conway@cleevetech.com">dee.conway@cleevetech.com</a>
<b>Stephen Church, Sales</b>	<a href="mailto:stephen.church@cleevetech.com">stephen.church@cleevetech.com</a>
<b>Rand Enright, Customer Service</b>	<a href="mailto:rand.enright@cleevetech.com">rand.enright@cleevetech.com</a>
<b>James Hammond, General Manager</b>	<a href="mailto:james.hammond@cleevetech.com">james.hammond@cleevetech.com</a>
<b>United Kingdom Sales</b>	P: 011-44 (0)1793-490456
<b>Deborah Leat, UK and European Sales</b>	<a href="mailto:deborah.leat@cleevetech.co.uk">deborah.leat@cleevetech.co.uk</a>
<b>Laura Tighe, Canadian Operations and Procurement</b>	<a href="mailto:laura.tighe@cleevetech.com">laura.tighe@cleevetech.com</a>
<b>Bridget Taylor, Quality</b>	<a href="mailto:bridget.taylor@cleevetech.com">bridget.taylor@cleevetech.com</a>

Telephone: 1-905-579-9502  
[cleevetechnology.ca](http://cleevetechnology.ca)