



H-2683.3F



How to Register:

Visit <u>www.cmots.ca</u> and click on Register.

demo		
Time Zone :	-4	٠
Remember and passw	r username ord	
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Fill out the registration form and click **Register** at the bottom. This will create a Mother account which is a step below Administrator account. Sub Account (discussed later) is created by the Mother account holder.

_	User has aready registered account; rou can Login
*Usemame:	
	4 – 18 characters, including letters, Numbers, underscores, begin with a letter, letters or Numbers ending!
*Email:	
	Enter an email address that you already have, in order to complete registration. Format such as name@example.com
*Telephone:	
	Enter your mobile phone number. Format such as 12345678910
"Password:	
	6 to 16 characters and is case sensitive
*Confirm :	
	Please enter the password again
*Code:	
	Is not case sensitive. Can't see clearly can change one
	I agree with "The terms of service" and "Privacy and personal information to use policy"
	Save
	Save

Login to Portal

Registered users can access the C^{MOTS} portal by visiting <u>www.cmots.ca</u> and login by using their Username and Password, created during registration process. Pay attention to your local time zone with reference to UTC in the login window. If your time zone is UTC-6, choose -6 from drop-down menu below Passoword.

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Fime Zone :	-4	٠
 Remember and passwo 	username ord	
Login	Re	aister

Create Sub Account

There are two types of sub accounts that can be created by Mother Account — Sub Account and Sub Account (Only the query function). Only difference between the two is the ability of the Sub Account to Add Device, which is not available in Sub Account (Only the query function).

	Sub	Acco	unt								0
	of Bas	ic > Sub A	count								
eic 🖌	a Que	ry									
			Key No	mar/Transfillari		Q inquire					
	= User	list								+ Add	B Delete
	-	User ID	Username	User Role	Email	Tel	Locked	Last login IP	Last login time		
	-400	4	octofata/	Sob Account	octoh@hotmail.com	1 510 2018	No	991-07.147.06	2618-10-15 21 33:57	Car Manify	latai -
										O Creat	
										-	1

Sub accounts are created in Mother Account for limited access by select individuals. There are two types of sub accounts - Sub Account and Sub Account (Only the query function). Only difference between two is that Sub Account can add devices in the portal. Access to Sub Account can be blocked by checking the Locked box.

Username		
User Role	Sub Account(Only the query fi	
	Sub Account(Only the query function)	
Email	Sub Account	
Tel		
Locked		
Password		

Change Password

Basic – User Info

Temperatu	C User Info	9 Platform		S Corb
C Baue Uber Info System Setting Sub Account Group Device	Die Common Die Username Session ID: Login Information:	5 er-alts b77/rt-c512a/dec2b/df32/e3/n,42n491 9/347,647.56,2015 10-92 12:32	Email: Tel:	haroon @r*ca 4*5*54(?)\$
	Account Settings			
Temperature Monitor Humidity Monitor Meturity Monitor	Old password	1		
Strength Monitor	14 - 14 -	Change Password		
■ Message Center	14 - 14 -			

Add Device

If your account permits you to add device, you can do so as follows.

Basic - Device and then Add

Ignore Date/Time Expire in last column shown in figure below Device Name and Group can be modified later when assigned to projects.

c ^{mort} Temperature	& Streng	th Monitoring	Platform					🔤 👤 cmots ~
	Dev	rice Manag	gement	Ì				0
	O [‡] Ba	sic > Device						
l Defauit Basic 🗸 🗸	q Que	ery						
		Type of Device	Default		Key Name/MD	(52)	Q, Inquine	\rightarrow
	≡ Dev	rice List						Add 2 Delete
	. 0	Device Name	IMEL/SN	Type of Device	Group	Date/Time Created	Date/Time Expire	\smile
	0	06180337	06180337	TZ-TAG06	Default	2018-10-11 11:18:42	2019-01-12 11:18:42	E Modily B Delete
	.0	06161076	06161076	TZ-TAG06	October 3 Group	2018-10-09 21:39:49	2019-01-10-21:39:49	CF Modify @ Delete
	10	06181461	06181461	12-TAG06	Default	2018-09-29 10:59:19	2018-12-31 10:59:19	Of Modify B Delete
Maturity Monitor								O Detail

Click Add. Choose TZ-TAG06 from dropdown menu (for temperature, maturity and strength determination).

Device Name:			
IMEI/SN:			
Type of Device:	TZ-TAG06		
Group:	Default	٠	
Device Password	000000		
Data Interval(minute):	1		
Remark:			
			Add

Change Settings Do not change settings

Add Group

When devices are assigned to various projects, a good strategy is to create groups for easy identification. This may require creating multiple Groups. Note from the Add Device section that Group name is required when a device is added.

You can add Group by clicking Basic – Group and then Add

C Temperature & Str	rength Monitoring Platform				🔤 👤 crnots 🛩
tarrh- Q	Group Management				0
	at Basic > Group				\sim
# Delaut	Converties				
📽 Basic 🗸 🗸 🗸	Group List				+ Add E Delete
User Info	Group Name	Parent	Sort	Remark	\smile
System Setting	Ovtuber 3 Group	147 147	1		Of Multip D Permission
Sub Account					a Device
\sim					< 1 >
Of Concurse Projects					
za rempetacure Monitor (
A Description of the second seco					10 million (17

Click Add and select Default as Parent if this is the first time you are creating a Group. For the next one, you can either choose Default as Parent Group or choose an existing Group as Parent Group.

Edit			×
Group Name:			
Parent:	Default	٣	
Sort:	1	٣	
Remark:			
			Add

Once a Group is created, permission to access the Group is granted to relevant Sub Account by clicking Basic - Group and then Permission.

	Gro	up Management			0
	o; Ba	sic > Group			
# Delault					
📽 Basic	≡ Gro	oup List			+ Add 🗎 Delete
	8	Group Name	Parent	Sort Remark	
		October 3 Group	-	1	Modily Permission
					< 1 ×

All Sub Accounts you created will be listed here. You can choose any number of Sub Account you feel necessary to give access to a Group by checking the relevant boxes.

² ermission Settings	×
🖉 october3	
Note: Only checked users can access the group	
	Confirm

Group can by renamed or moved to different Parent Group by clicking Basic - Group and then Modify. You can also set Alarms here.

Group Name:	Tremco		
Parent:	Default	•	
Sort	1	٠	
Remark:			
Alarm Setting:	+ Temperature	+ Humidity	+ Security

Add Maturity and Strength Option

When temperature measuring device is used for real-time monitoring of maturity and strength of concrete, the probe is embedded in fresh concrete and additional information is added in the system as follows: Concrete Projects – Project Management – Add

	Pr	oiect Manage	ment							0
	9	,								
W Default	0;	Concrete Projects + Proje	ct Manageme	M						
OS Balk	90	Query								
📽 Concrete Projects	~ <	Project D	iolault .	Struct	ture Deta	n •	Location	Default •		9
	= L	ist								+ Add @ Delete
	1	Device	Mix	Project	Structure	Location	Start Time	End Time	Description	-
Print report	e 6	06181461(06181461)	Test 1(Test 1)	Pearson	Runway	Panel 3	2018-10-09 15:46:00	2018-10-31 15:46:00		Of Multily E Deinte
	e. 3	06161076(06161076)	Test 1(Test 1)	Billy Bishop	Terminal	Wall A	2018-10-09 15:43:00	2018-11-10 15:43:00		12 Modily 📋 Delate
	1									

You can create new Project, Structure, and Location by clicking on "+" or you can choose an existing Project, Structure, and Location from the respective dropdown menu.

Device:	06180337(061803: •	
Mix	Test 1(Test 1)	
Select	Project * > Structu * >	Locatio 🔹 🕇
Start Time:	2018-10-14 22:33	
End Time:	2018-10-21 22:33	m
Description:		
		Add



Add concrete mix design identification in Mix. Make sure this mix design information is already added in the Mix Design Data (discussed later). Once added, the system will automatically connect this added device and the Mix.

Start Time refers to the time when fresh concrete comes in contact with the sensor and NOT the time when probe was installed. It is important to enter precise Start Time (and date) since C^{MOTS} will start calculating maturity and strength for this location from this time onwards. End Time is the time when system will stop taking further readings for this device. One month is generally a good time frame for this purpose but depends on user requirements. Enter 8-digit device identification in Device. You can add more details about concrete pour in Description section.

Add Mix Design Data

If real-time maturity and strength of concrete is desired, the Strength-Maturity relationship should first be established in the lab in accordance with ASTM C1074, Standard Practice for Estimating Concrete Strength by the Maturity Method. The resulting relationship is in the following form:

Strength = A * Ln (Maturity) + B

A sample relationship is shown below where A = 11.49, and B = -60.09



Each concrete mix has its distinct set of Parameters A and B so use values of these parameters (Concrete Projects – Mix Design Data – Add New Mix) from your Strength-Maturity relationship.

Edit		×
	Mix Supplier:	
	Mix ID:	
	Parameter A:	
	Parameter B:	
		Add

Once added, the concrete mix design can be assigned to devices using Mix ID (as Mix noted above).

	Mix Decian	Data			0
	IVIA Design	Data			
	Qt Concrete Projects	> Mix Design Data			
🕷 Default	-				
🕫 Basic 🧹 🧠	a Query				
📽 Concrete Projects 🛛 🖌	Ke	MIX ID/Supplier Na	Q, Inquire		
Concrete Projects ~	Ke ≡List	y MIXID/Supplier Na	Q Inquire		+ Add 😫 Delete
Concrete Projects Project Management Mix Design Data Reports by Location	Ki ≡ List ■ Mix ID	y MDX:ID/Supplier Na Supplier Name	Q, Inquire Parameter A	Parameter B	+ Add 🖹 Delete
Concrete Projects Project Management Mic Design Data Reports by Location Print report	Ki EList MIX ID Test t	ny MIX ID/Supplier Na Supplier Name Test 1	Q Inquire Parameter A 10.6	Parameter 8 -56.68	★ Add

View and Download Temperature, Maturity and Strength Data

Users can view and download real-time and stored data as follows:

- Select Concrete Projects and then Reports by Location
- Select Project, Structure, and Location associated with the device
- Data can be exported in Excel, Word or PDF by clicking

C Temperat	ure & Strength	Monitoring Platfo	orm								8	anats *
	Repo	ts by Locatio	n									0
	Q [#] Concr	ete Projects > Reports b	y Location									
Default	o Ouero				2							
	of Query			1				1)			
				1	\smile			\smile				
) 14 4 4	C	27 F H	+			Peer	wet R+ 1	\$			
) II TO I	Description	27 5 9j Mix 10	Device ID	Start Time	End Time	Rot (Server Time	Nurr: 20 * Temperature	2 Haturity *C.h	Strength MPa		
Project Management Mix Design Data Reports by Location Print report Temperature Monitor Humidity Monitor) ja a s Project ID	Description	27) H Mix ID Tet 1	Device ID	Start Time 2010/109 15-96:00	End Time 3018/20/31 15/96.00	Post Server Time 2010/10/18 31-10/36	Numer - References Temperature TC 19-2	B Maturity *C.h J.224	Strength MPa 20.7		i
) 4 4 4 Project ID 	Description	22 > 34 Mix 10 Test 1 feet 1	Device ID 00181461 06181461	Start Time 2010/109 15:48:00 2010/109 15:58:00	End Time 2018/10/31 15:46:00 2018/10/31 15:46:00	Post 1 Server Time 200/10/18 31:30:30 200/10/18 21:15:38	Next 200 *	2 Maturity *C.h 1,294 1,299	Strength MPa 30.7 30.7		ĺ
	reject ID	Description	27 > 34 Mix ID Test1 Test1 Test1	06151462 06151462 06151462	Start Time 3818/10/9 15:46:00 2818/10/9 15:46:00 2818/10/9 15:46:00	End Time 3004/10/31 15:46:00 3004/10/31 15:46:00 3014/10/31 15:46:00	Print J Server Time 2010/10/18 2010/10/18 2010/10/18 2010/10/18 2010/10/18	Next 2 5	2 Maturity *Ch 1.794 1.290 1.796	Strength MPa 30.7 30.7 30.7		

Temperature, Maturity, and Strength charts can be viewed on the last two pages of this report





Print Report

This feature allows C^{MOTS} users to generate a report for each device location. Simply select Project, Structure and Location from drop-down menu and click Generate Preview.

Temperature & Streng	th Monitoring Platform	🔳 👤 enon -
Prin	Report	0
00 Cu	sante Projects - Print report	
# Defuil		~
of their	\sim	\bigcirc
🕰 Concerns Properts 🛛 🔟 🗸	Project (Pourson) * Structure (Runway)	Location Panel 3
Project Management		
Min Design Data	Target storight 35 MPa	
Reports By Location		
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Bi Temperatum Montos -	Common and Co	
B. Flumistly Monitor 1		
C Materity Monitor 1		
C Storigh Munice a	in a more than	
🕈 Data Transmit 👘	TEMPERATUR	E MONITORING REPORT
B Message Center -		
Bill Data 4	Project: Pearson	Mix Supplier: Test 1
	Structure: Runway	Mix ID: Test 1
	Location: Panel 3	Device ID: 06181461

This report can be downloaded in Excel, PDF and Word.



Realtime Temperature Monitoring

- Select project Group from the top-right corner
- Click Temperature Monitor and then Realtime
 - Online loggers will appear green
 - Offline loggers will appear grey
- For historical temperature data, click Temperature Monitor and then History to access



To download temperature data, click Data and then Download T&H Data. If the device is capable of recording both temperature and humidity, both types of data will be displayed, otherwise only temperature.

	Download the ten	operature and humidity d	ata	0
	Download the ten	iperature and numbury u	ata	
	ial Data > Download the T & H o	iata -		
Orfault				
	Device Name	IMEI/SN		1. Inquiry period
	06180337	06180337	@ freed @ 205	From
Temperature Monitor	06161076	06161076	@ Loci @ 20/	2018-10-14 23:31
	06181461	06181461	@ Freed	То
Humidity Monitor <				2010-10-21 23:31
			-c 1 >	1Day 2Day 1Week
				2. Query Group Key
Message Center c				🖂 Default 👘
				October 3 Group
	3			

1	A	В	C	D	E	F
	20	18-08-13	22:37~	2018-0	8-20 22:37	
	-					
1	ID	Device Name	Temperature	Humidity	Time (RTC)	Time (ServerTime
	1	T&H 1	26°C	59.00%	2018-08-20 22:34	2018-08-20 22:34
	2	T&H 1	25.9°C	59.00%	2018-08-20 22:28	2018-08-20 22:30
•	3	T&H 1	25.9°C	59.00%	2018-08-20 22:23	2018-08-20 22:24
1	4	T&H 1	25.8°C	59.00%	2018-08-20 22:18	2018-08-20 22:20
	5	T&H 1	25.8°C	59.00%	2018-08-20 22:08	2018-08-20 22:09
0	6	T&H 1	25.7°C	59.00%	2018-08-20 22:02	2018-08-20 22:03
1	7	T&H 1	25.7°C	58.00%	2018-08-20 21:57	2018-08-20 21:59
2	8	T&H 1	25.7°C	58.00%	2018-08-20 21:52	2018-08-20 21:52
3	9	T&H 1	25.8°C	58.00%	2018-08-20 21:47	2018-08-20 21:48
4	10	T&H 1	25.8°C	58.00%	2018-08-20 21:36	2018-08-20 21:38
5	11	T&H 1	25.8°C	58.00%	2018-08-20 21:26	2018-08-20 21:28
6	12	T&H 1	25.8°C	58.00%	2018-08-20 21:21	2018-08-20 21:21
7	13	T&H 1	25.9°C	58.00%	2018-08-20 21:16	2018-08-20 21:17
8	14	T&H 1	25.9°C	58.00%	2018-08-20 21:10	2018-08-20 21:11
9	15	T&H 1	25.9°C	58,00%	2018-08-20 21:05	2018-08-20 21:07
0	16	T&H 1	25.9°C	58.00%	2018-08-20 20:55	2018-08-20 20:56

Realtime Maturity Monitoring

•

- Select project Group from the top-right corner
 - Click Maturity Monitor and then Realtime
 - Online loggers will appear green
 - Offline loggers will appear grey
- For historical Maturity data, click Maturity Monitor and then History



Realtime Strength Monitoring

- Select project Group from the top-right corner
- Click Strength Monitor and then Realtime
 - Online loggers will appear green
 - Offline loggers will appear grey
- For historical Strength data, click Strength Monitor and then History



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