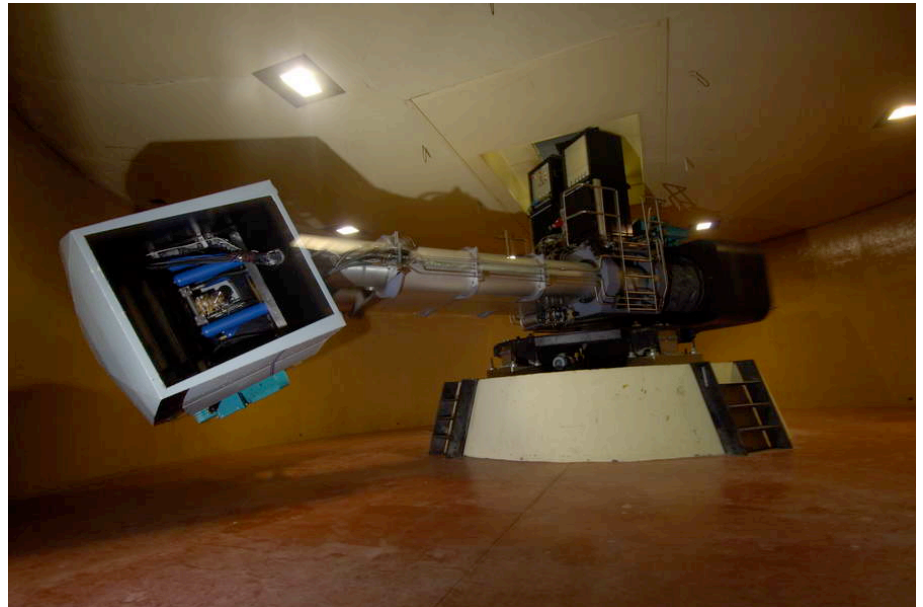


MODEL C80-3

LCPC Nantes, France
C'CORE S^t. John's, Canada



- * **5.5 meters platform radius**
- * **1.1 x 1.4 m experiment platform**
- * **4000 kg at 100 g's; 200 g's, 2000 kg**
- * **Quake Simulator and data acquisition system**
- * **Power and signal slip rings**
- * **Fiber optic rotary joint**
- * **Hydraulic rotary joints**
- * **Automatic balancing**

MODEL C80-3

Dimensional data	Platform radius	5.5	m
	Nominal radius	5	m
	Platform width	1.1	m
	Platform depth	1.4	m
	Container height	1	m
	Maximum usable height	1.5	m
Performances	Payload mass (maxi.)	4000	kg
	Acceleration at maximum payload	100	g
	Payload mass at max. acceleration	2000	kg
	Acceleration range	10 to 200	g
	Acceleration accuracy	+/- 0.2	g
	Vibration at platform (maxi.)	0.3	g _{RMS}
	Maximum operating imbalance	+/- 100	kN
Power plant	Installed power	650	kVA
	Motor speed range	210 to 1400	Rpm
	Transmission ratio	7	
	Centrifuge boom rate	30 to 200	Rpm
	Power consumption at 100 g's	160	kW
	Power consumption at 200 g's	450	kW
	Mains supply	660	V
Power rings	Current rating	100	A
	Line voltage	410	V _{RMS}
	Number of lines	4	
Signal slip rings	Current rating	1	A
	Operating voltage DC	110	V
	Noise	10	mΩ _{RMS}
	Quantity	up to 120	
	Frequency	DC to 10	MHz
Optical rotary joint	Number of passages	2	
	Optical coupling Ethernet ports	16	
	Transmission rate	1	GHz
Hydraulic rotary joint	Number of passages (maxi.)	6	
	Pressure rating	10 to 200	bars
	Flow	10 to 150	l/min
	Fluid temperature	10 to 50	°C
Automatic balancing	Balancing range	100	kN
	Balancing resolution	+/- 1	kN
	Balancing time	30	s