

Composite Decking

- Wood Plastic Composite (WPC)
- Low Maintenance
- Easy to Install
- Barefoot Friendly
- Advanced Below Surface Fixings
- 87% Recycled



For commercial and residential decking projects

Dura Decking

...designed for the future

ACCRUE CONSTRUCTION MATERIALS INC

Industrial Marine Landscaping Architectural



Eco-friendly Decking

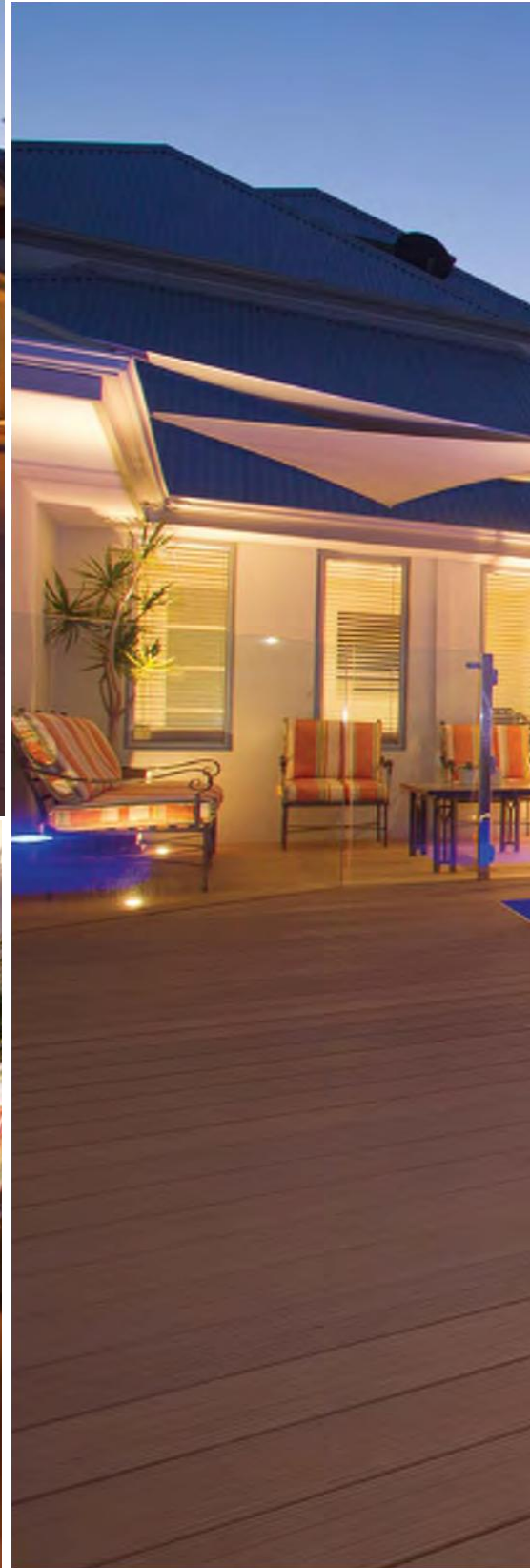


Project: Colchester Zoo, Essex, UK
Product: Dura Deck Type 295 Teak

Dura Decking was supplied, over 800m² of Dura Deck Type 295 which was chosen because of its ease of installation. The Type 295 double width planks can halve installation time and have specially designed sub-surface fixings which make it barefoot friendly, uniform and safe for all shoe types.



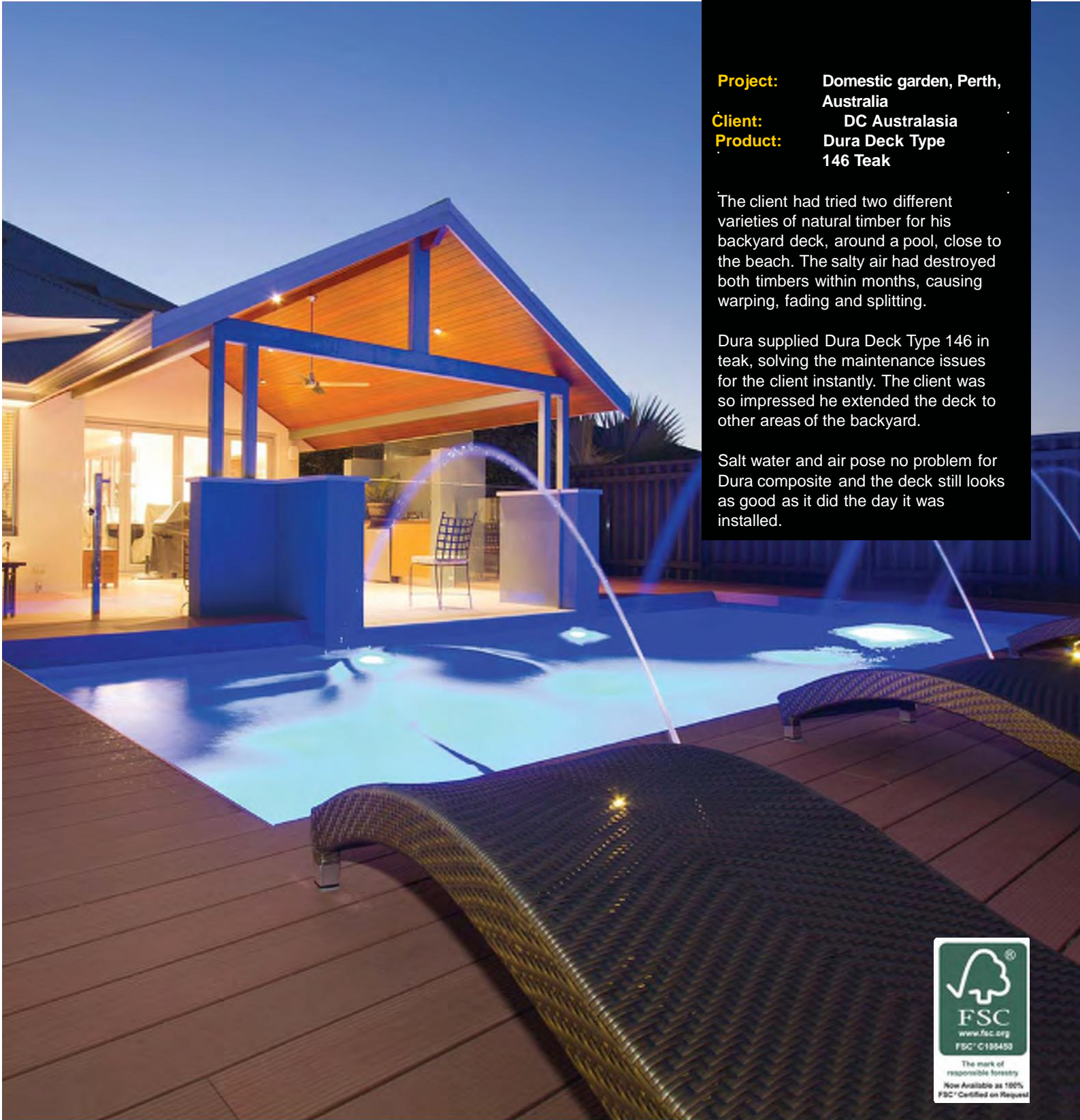
UK Prime Minister David Cameron discussing eco-friendly decking products with the Head Office Staff...



Composite Decking

Dura Decking

Strong & durable, Dura Deck looks and feels like natural wood and its unique formula provides longer lasting decking that is environmentally friendly, easy to install and requires minimal maintenance.



Project: Domestic garden, Perth, Australia
Client: DC Australasia
Product: Dura Deck Type 146 Teak

The client had tried two different varieties of natural timber for his backyard deck, around a pool, close to the beach. The salty air had destroyed both timbers within months, causing warping, fading and splitting.

Dura supplied Dura Deck Type 146 in teak, solving the maintenance issues for the client instantly. The client was so impressed he extended the deck to other areas of the backyard.

Salt water and air pose no problem for Dura composite and the deck still looks as good as it did the day it was installed.



Benefits



Dura Deck is made from 87% recycled materials and is now available in 100% FSC Certified timber – an industry first for a timber composite!



Dura Deck doesn't need any staining or painting. In fact, after installation, the deck needs only basic cleaning and doesn't suffer from warping or rotting. Dura Deck is UV Certified to ISO 4892-2 and so will survive even the harshest of climates.



Check out our videos on You Tube to see how easy Dura Deck and Dura Tiles are to install.



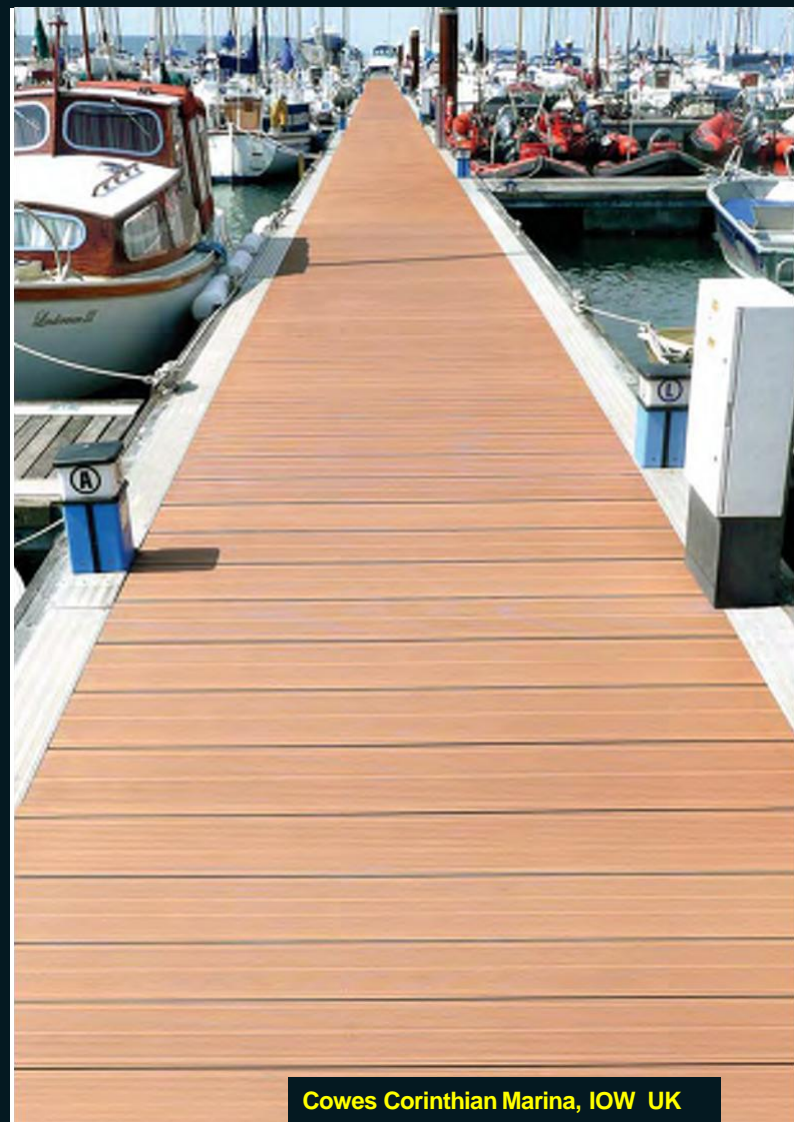
Its' innovative subsurface fixing system means no nail or screws need to go through the deck itself, creating a smart, uniform and barefoot friendly deck.

Previous Installations



Project: Viewing Pontoon, Turkmenistan
Product: Dura Deck Type 295 Teak

Abberton Reservoir, Essex UK

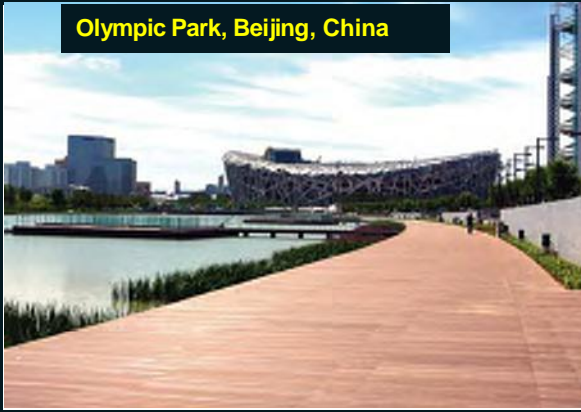


Cowes Corinthian Marina, IOW UK

Project: Park Hyatt Hotel, UAE
Product: Dura Deck Type 295 Charcoal



Olympic Park, Beijing, China



City Park, UK



Braddicks Holiday Centre, UK



Dura Deck Product Range

Type 142

Width: 142mm
Depth: 29mm
Length: up to 3660mm

Fixing: Below Surface Fixing Screws

Gap between boards: 0mm (3mm visible)

Surfaces: Timber grain effect, non-reversible

Type 146

Width: 146mm
Depth: 21mm
Length: up to 3660mm

Fixing: Below Surface Fixing clip

Gap between boards: 6mm

Surfaces: Grooved and sanded on one side, sanded smooth on reverse

Type 225

Width: 225mm
Depth: 30mm
Length: up to 3660mm

Fixing: Below Surface Fixing clip

Gap between boards: 6mm

Surfaces: Grooved and sanded on one side, sanded with timber grain effect on reverse

Type 295

Width: 295mm
Depth: 23mm
Length: up to 3660mm

Fixing: Below Surface Fixing clip

Gap between boards: 6 or 10mm

Alternative Fixing: Stainless steel clip providing tamper proof installation

Surfaces: Large Grooves and sanded on one side, small grooves and sanded on reverse

The deep coarse sanded pattern provides a generous anti-slip surface far (B.S. 4596 Pendulum Test approved).

Dura Deck Installation Systems

Type 146/225/295 (below surface fixing system)



Standard fixing clips

Two types of fixing clip provides vertical screw fixing and allows individual decking boards to be removed for access at any time. Gaps between boards are 6mm or 10mm.



Start /Stop fixing clips

This clip is designed to secure the start or end boards without unsightly screws through the walking surface.

Decking Bearers



102mm Decking Bearer with Stainless Steel Hold down clip

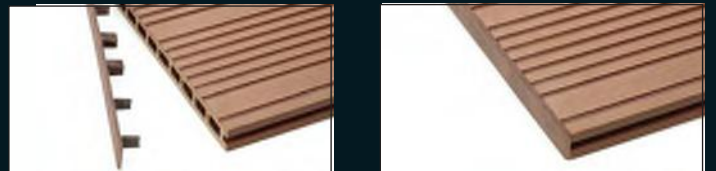
102mm Bearer fitted to Adjustable Pedestal

Type 142 (tongue & groove system)



The Type 142 requires only a below surface fixing screw, no clips required.

Composite timber end caps



End caps can be used to seal board edges in areas where decking edges are exposed. Suitable glues can be supplied for permanent fixture

Decking Fixings and Accessories



Standard Fixing Clip



Half Length Fixing Clip



Double Length Fixing Clip



Start/Stop Fixing Clip



Anti Tamper Fixing Clip



Adjustable Pedestal

Please Note: Only Fixings supplied by Dura Composites validate our standard product warranty.

Dura Deck Specifications

Deck Profiles

Product	Plank thickness (mm)	Width (mm)	Plank length (mm)	Max Span (mm)*	Weight / Lin.M (kg)
Type 146	22	146	up to 3660	400	2.94
Type 225	30	225	up to 3660	700	5.80
Type 295	23	295	up to 3660	600	5.88
Type 142	29	142	up to 3660	400	3.10

* These spans assume standard UK installations. Please check installation guide and / or local distributor for different regions.

Ancillary Profiles

Product	Plank thickness (mm)	Width (mm)	Plank length (mm)	Max Span (mm)	Weight / Lin.M (kg)
Decking Bearer	102	50	up to 3660	1200	3.40
Fascia	9	230	up to 3660	Infil only	6.20

Load Data

Product	Load (kgs) at 1% Deflection (4mm) 400 mm span	Peak Load Failure (kgs) @ 400mm span	Working Load (kgs) @ 400mm span using 2.5 factor of safety
Type 146	178	482	193
Type 225	278	1087	435
Type 295	236	903	361
Type 142	194	562	225

All data based on Live Point Load testing using 300m x 75mm Pad to replicate 'a foot' in ambient conditions using typical 400mm span based on single planks that are fixed down using Dura Deck approved fixing clips and/or screws. Please see Installation Guide for span and gapping requirement depending on location.

Material Specification

Characteristics	Unit	Test Reference
Tensile Strength	13mpa	BS 6399
Impact Strengths	8Kj	ASTM D1037 - 93
Flexural Strength	3.15 Gpa	ASTM D1037 - 93
Flexural Strength after UV ageing (1000 hrs & rain)	3.13 Gpa	ASTM D1037 - 93
UV ageing test	Pass	ISO 4892 - 2
Density	1.4g/cm ³	ISO 9001
24 hour Water Absorption	1.07%	ASTM D684
Flammability Resistance (Standard product)	Euro Class Dfl-S1	BS EN 13501-1
Flammability Resistance (Fire Retardant product) (special order only)	Euro Class Bfl-S1	BS EN 13501-1
Slip Resistance (Pendulum test)	89 dry - 58 wet (Pendulum test value)	BS 7976: Parts 1-3, 2002 Pendulum Co-efficient Test
Slip Resistance (Wet Shod Ramp Test)	25.80 (0.48 Co-efficient of restitution)	BS 4592-0, 2006 Inclined Platform Test
Thermal Expansion	3.882 E-05 (K-1)	ISO 9001
Weather Ability	No Damage @ 100 cycles	MOAT 22
Frost Resistance	No Damage	DD CEN/TS 772-22:2006
Environmental Carbon Footprint	0.788KgCO ₂ /Kg (Dura Deck Type 295)	CERAM, Carbon Footprint Report
Colour Stability	± 1.8 in L*a*b*	NPL Traceable 2006 Scale
Sustainability	FSC Certification	FSC 100% Certification
Recycled Content	87.4% Recycled	CERAM, Carbon Footprint Report
Stiletto heel load/penetration resistance	2.09kN	CERAM, 9.5 Steel Indenter Test

General Information

Dura Deck composite decking boards are produced with a hollow core centre which creates exceptional strength and lightness. Every board has a recess moulded into each edge which accepts a heavy duty hold down clip, creating a Below Surface secure fixing, using 8g and 10g stainless steel colour coded screws. The result is a fully professional

screw and nail free appearance with full bare foot safety.

Manufactured from polyethylene based resins, reclaimed hardwood, and finished with an attractive hardwearing anti-slip finish. Dura Deck eliminates rot, algae growth, discolouration and significantly reduces the risk of slipping in wet conditions.

Dura Deck and Dura Tiles are manufactured from recycled and sustainable materials, yet gives the appearance of traditional hardwood timber. Due to its advanced material composition and unique design it is able to span up to 700mm, meeting most of today's requirements set by architects, designers and clients....

Dura Tile - Interlocking Decking Tiles



terraces and swimming pools.

Quick lay system, no fixings required

Featuring the Interlocking system, each tile can be attached to the next in seconds and will enhance and add value to balcony decks, roof terraces, patios, verandahs, conservatories, restaurant

The tiles can be laid in two directions to create a unique pattern. The Interlocking tile joining system is easy to lay and large areas can be installed quickly. Excellent savings can be made as no fixings are required.

Dura Tile uses

- Landscaping
- Greenhouse flooring
- Gazebo and Rotunda floors
- BBQ or outdoor kitchen surrounds
- Shower bases and pool surrounds
- Showroom and Exhibition flooring

Dura Tiles and Edge Trims



Dura Tile

Dura Tile Edge Reducers

Interlocking Grid Base



Dura Tile Specifications

Tile Size:	308 x 308mm
Tile Height inc Base:	26mm
Base Height:	14mm
Composite wood thickness:	12mm
Surface finish:	Grooved and sanded
Tile weight:	1.75kg
Packing:	9 tiles per carton
Carton weight:	15.75kg
Area per box:	0.85sq mtr
Plastic Base:	Recycled and Virgin PE Polymer



Dura Tiles – DIY Home Installations



30 MINUTES OF YOUR TIME IS ALL IT TAKES TO INSTALL YOUR SMALL HOME PATIO, WITH NO TOOLS OR TECHNICAL ASSISTANCE NEEDED TO INSTALL THIS YOURSELF.....



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