

The Architecture Research Unit's proposal for South Korea's enormous new city of Saemangeum leaps off the drawing board and into vibrant, convincing life, says Ellis Woodman

tabula rasa as can be imagined. He acknowledged the lure of the idea but conceded - or should cerned about the loss of mudflats "probably, when the foundations vere dug, something would ear, delaying the proof of the gold coin, the turban of a nomad,

doubtless familiar to the seven architectural teams that entered both 1999 and 2005. Ultimately, plan the new South Korean city of ful, and work on the wall was com mangeum earlier this year. In pleted in April 2006. terms of scale alone, the underwhen it is completed. Saemangeum will occupy an area of Work is now under way to lower

# At present, the vast bulk of the land on which Saemangeum will be built lies underwater

were not challenge enough, the feat of imagination required of the reclaimed land was going to be competitors was made infinitely greater by the nature of the site. At more recently, industry has been present, the vast bulk of the land assigned the dominant role. The on which Saemangeum will be emergence of an increasingly

when the South Korean govern- as a major tourist centre. These scape at the convergence of the on the question of what kind of Dongjin and Mangyeong rivers as environment the new city will be the site for one of the largest land able to offer. reclamation projects ever undertaken. The intention was for the rations don't extend much beyond land to support a mix of agriculture and industry, and for a newly constructed port to enable the city the end of last year, the local authorities launched a competito forge trade links, particularly with China's north-east coast just tion which would allow the proposals to be looked at from scratch across the Yellow Sea. In 1991, work began on containing the site two key respects. For one thing, its by means of a sea wall spanning intended outcome was left very

lie to the north and south.

From the start, the project hara desert, a site attracted a huge amount of conust about as close to troversy, particularly in relation to its anticipated environmental impact. Campaigners were conthat perhaps be hoped? — that on the site, which have always reat Freedom: pottery shards, a Asia to Russia and Alaska. Arguold coin, the turban of a nomad, ing that the project's construction decipherable drawings etched would contribute to the decline of These mixed emotions are succeeded in halting construction

> formed into a vast freshwater lake charged daily into the sea via a land available for use. The larger part of the new city — a further 270sq km — will be built on ground created by adding landfill

to the lake bed.

In the years since the project was initiated, the mix of antici-size of Singapore. However, if that The project has been in development since the late eighties, Saemangeum might have a future

A masterplan exists, but its aspi





open-ended, making no commitimplemented. The profile of the invited competitors was also be islands set within the lake. unconventional in that they were not commercial practices but m, the impulse to minimise the rather teams drawn from academic institutions in Asia, Europe and the US.

lends the strategy a compelling economic logic. Nonetheless, one at least every 40 minutes."

Among them was the Architecdon Metropolitan University. headed by Florian Beigel and Philip Christou, In September, its proposal – along with those from **The origins of** teams based at MIT and Columbia - was declared one of three deemed worthy of progressing further. It has subsequently been revised in response to the jury's comments, and will be presented this month to representatives of **Obscure** the central government.

Whether or not the ARU turn on the dimensions of the proscheme proves a blueprint that the posed land forms and the efficacy South Korean authorities choose to adopt, it remains a truly them. In this respect, it is signifiastounding piece of design. Central to that achievement has been here is the scheme's second iterathe practice's insistence that even tion, produced in response to the this seemingly most vacant of sites iury's feedback. Its key request was should not be treated as terra that 10% more land should be vacua. The current scheme envis- reclaimed. Consequently, the ages a landfill strategy that blindly islands have grown larger and the extends the shoreline on all sides distance between them has been of the lake, thus creating a city configured around a central body an improvement, offering a more

By contrast, ARU began its work een the city's dispersed parts. with an investigation of the lake bed's topography. From this study it identified the areas of higher where buildings could be sited. what, standing on one island

This revealed a complex pattern of ment to select an outright winner whose scheme would go on to be potential building plots — some of which would form extensions of the shoreline, while others would

With landfill costing £10 per cu scope of ground adjustments might ask whether it is really practure Research Unit based at Lon-tical to envisage a 21st century metropolis as a latterday Venice. Ultimately, that judgement must

# many of its individual panels are far from

of the infrastructure that links reduced. Beigel sees the change as intimate visual connection between

"All our water shapes and island bodies are checked against precedents in places like Venice, ground that could most economically be built up to provide land explains. "We have tried to judge



mble of agricultural buildings at Farm City. Courtvard in an ens

vou can see of its neighbour. Crucially, the expansion of the ground has not been so great as to diminish the sense of Sae-mangeum as an island city. "The important question is how long it should take to cross an island," he says. "We have tried to ensure that The strategy can also claim a

qualitative benefit over the current scheme which can be expected to provide major financial dividends: beyond the sea wall. A road runs along the wall itself and connects the expanded length of waterfront will surely prove attractive in real estate terms. A comparison with the grotesque residential schemes points of particularly high density being built off the coast of Dubai

— The World and The Palm — is

one that ARU might justifiably resist, but its project's capacity to lure tourists and an affluent citizenship is rooted in a not dissimilar set of spatial relationships. That said, the morphology of the islands is lumbered with none of the emblematic inanity of those schemes. While their shape derives from the lie of the land under the lake, each has been formalised to some extent.

the two rivers. Accordingly, the

and are designated as entertain-ment and financial districts. They are among the few points in the plan for which a particular use has been assigned. As with all of Beigel and Christou's urban cion of programmatic determin ism, and of zoning in particular.

landforms in the centre of the plan are quite tightly packed, paraphrasing the peninsular that for-merly divided the twin water courses. Those further out are more widely spaced, their siting having been gauged in response to the beautiful Gogunsan archipel-ago which lies immediately to each of these islands by way of

scale projects, the Saemangeum scheme is informed by their suspi-

a bridge-like "threshold city".

"We design the rug, not the pic-nic," Beigel once said of the ARU masterplan for Paju Book City, the large publishing district now

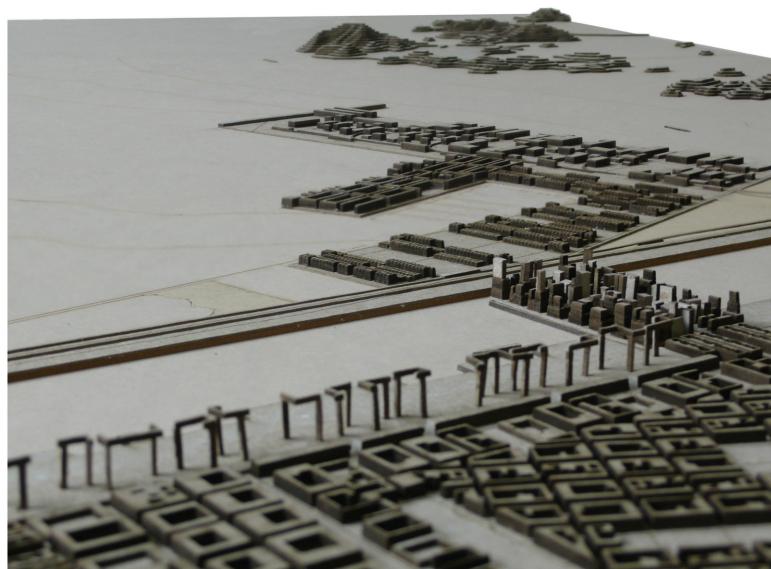
The 33km sea

A central aim has been to under construction north of Seoul reassert a reading of the course of and that maxim feels equally applicable to this scheme.

The Saemangeum rug is a patchwork affair, and while its overall composition is of a highly innovative design, the origins of many of its individual panels are far from obscure. The comb-like layout of Barcelona's Barceloneta neighbourhood, the "kilometre style" perimeter developments of Kay Fisker's Copenhagen, the net-work of streets and mews that lies to the west of London's Portland Place - these are just some of the distinctive "city structures" that ARU has found and redeployed in its Saemangeum plan.
The practice's interest in these

models lies not in any historical or regional association they may carry - one expects the buildings realised within them ultimately to reflect their own time and place — but rather in the fact that they have each proved capable of accommodating a range of continually shifting uses. So while each district within the plan has been allocated its own spatial matrix, none has been selected with the aim of determining a par-

ticular programme. Of course, this strategy also has a significant benefit in that it makes tangible a project of such dimension that might otherwise defy comprehension. The current Saemangeum scheme singularly fails to rise above the level of diagrammatic abstraction. As strange and wondrous as ARU's project surely is, its key triumph ies in the fact that it conjures a vision that remains close to life



# Tried and tested templates

The Saemangeum plan is modelled on a number of existing city structures. Here ARU describes the qualities of four of them



## LA BARCELONETA. BARCELONA, SPAIN

Six- to eight-storey terraces

of 8m-deep apartment buildings line extremely narrow streets that run parallel to each other, giving this city structure an unusual and distinctive character. The regimental nature of the rectangular grid of long, narrow blocks s relieved by a series of well defined, open public spaces such as the market square The location of the district, immediately next to the coast, allows glimpses of the sea horizon to be seen at the end of each street.



PORTLAND PLACE, CENTRAL LONDON STREETS AND MEWS

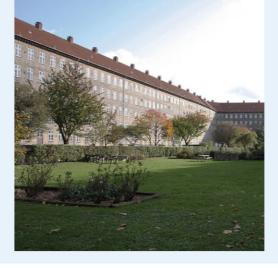
Weymouth Mews, off Portland Place, was built between 1715 and 1720. It is a typical London mews city block structure, with large terraces of four- and five-storey houses facing the main streets and two storey mews houses inside the city block. The mews houses were originally built as stables for horses and carts, with a small servant

ability of function that has occurred during the past 250 years is evidence of a city structure that offers spatial variety, intimacy and privacy, as well as useful urban public spaces within a dense city centre.

### HORNBÆKHUS. COPENHAGEN CITY BLOCK STRUCTURE

Designed by Kay Fisker in 1923, the large internal landscaped courtyard of the Hornbækhus city block structure, with its long, repetitive facades facing the streets between blocks mark this as a unique urbar design proposal.

A more careful look at the articulation of the facade, the slight inflection of the shape of the block as it adjusts itself to the irregular grid of streets and the spatial planning of the apartment interiors reveal Fisker's interest in making a city block type that was both robust and lasting, and an elegant piece of the city.



# HAMBURG CANAL CITY BLOCK STRUCTURE

These warehouses and office buildings are in the old city centre between the Jungfern-steig and the Stadhausbrucke S Bahn stations. Their close proximity to the heart of the city makes their rehabilitat and reuse viable. This is reaffirmed by the architectural vocabulary and materiality of the built fabric, and the unusual canalside position street access is sometimes from one side only, with building facades fronting the

canal directly on the other. When conceived in the early 19th century, these structures were designed to sit harmon ously against the backdrop of the city by borrowing the architectural language and materiality of its building



facades. The coexistence of the many programmes one finds here and the care taken with the language and

materiality of the modern buildings that have replaced older blocks have allowed this city quarter to reinvent itself.